ANDELI



CATALOGUE

ELECTRICAL PRODUCT

ANDELI GROUP CO.,LTD.

www.andeligroup.com

appliance items from ANDELI

Safety electrical



About Andeli

Andeli Group Co., Ltd. was founded in 1993. It is located in the largest manufacturing hub of low-voltage electric equipment at Yueqing in China, which is called "the Electrical city of China".

Andeli is a leading Group in the electrical industry with production, scientific research, transport, import-export, trade & investment.

Andeli is one of the largest group in China. It has 12 share holding companies in ZHEJIANG,UAE, RUSSIA, Uganda and Brazil. It has over 300 cooperation companies & over 3000 employees with total assets of US$150,000,000 in area of 235,000 square meters.

Andeli regards quality of products as life. We have achieved ISO9001:2008 Quality Management System certificates, ISO14001:2004 Environmental Management System certificates, OHSAS18001:2007 Occupational health and safety Management System certificates along with Measure Detection System, Standardization System Certification and “CCC” for all products in the market. We have also passed ROHS, CE, CB, SEMKO, KEMA, INMETRO and many other international certifications.

Our R&D engineers are planning and Research to innovate a concrete advantage for the users, for actual product development and advance manufacturing process. We widely produce and sell over 300 series, more than 10000 type in Low- & High-voltage electrical devices, complete equipments, power transformers, cables, instruments, meters and welding equipments which are praised by all users in home & overseas. A number of new independent intellectual property right, intelligent appliances is moving into the market from us.

We are keeping our business principles for “Approaching the first-class management, producing the first-class products, providing the first-class service”. Andeli staffs are hard-working, constantly innovated and honest to all users & business partners to enjoy a better tomorrow together with us.





President of ANDELI Mr. Cheng Anlin



















ANDELI

Quality System& Product Certificates


QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00124Q39536R7M/3302

We hereby certify that

ANDELI GROUP CO.,LTD.

Business Registration Number: 91330281454423311F

No.208, Weiqi Road, Yueqing Economic Development Zone, Yueqing City, Wenzhou City, Zhejiang Province, China

by reason of its

Quality Management System

has been awarded this certificate for compliance with the standard

ISO 9001:2015

The Quality Management System Applies in the following area:

Design, Production and After-sale Service of 40.5kV and Below High-voltage Switchgear, High-voltage Electrical Components,250kVA and Below Power Transformer, 10kV and Below Pole-Mounted Transformer Set, Fault Indicator, Current Transformer, Electric Energy Meter,Communication Power Supply Equipment and Integrated Cabinet,Intelligent Fusion Terminal,Low-voltage Switchgear, Low-voltage Electrical Components and Welding Machines

Certified since: January 8, 2004 Valid from: November 4, 2024 Valid until: November 25, 2027

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC. Please access www.cqc.com.cn for checking validity of the certificate.

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

中国质量认证中心

CHINA QUALITY CERTIFICATION CENTRE

Section 9, No.18B, Nansihuan Xilu, Beijing 100070 P. R. China http://www.cqc.com.cn

2024年版


OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00124S33605R4M/3302

We hereby certify that

ANDELI GROUP CO.,LTD.

Business Registration Number: 91330281454423311F

No.208, Weiqi Road, Yueqing Economic Development Zone, Yueqing City, Wenzhou City, Zhejiang Province, China

by reason of its

Occupational Health and Safety Management

has been awarded this certificate for compliance with the standard

ISO 45001:2018

The Occupational Health and Safety Management Applies in the following area:

Design, Production of 40.5kV and Below High-voltage Switchgear, High-voltage Electrical Components, 250kVA and Below Power Transformer, 10kV and Below Column Mounted Transformer Set, Fault Indicator, Mutual Inductor, Electric Energy Meter, Low-voltage Switchgear, Low-voltage Electrical Components and Welding Machines Within the Scope of Qualification and Related Management Activity

Certified since: January 15, 2013 Valid from: November 7, 2024 Valid until: January 14, 2028

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC. Please access www.cqc.com.cn for checking validity of the certificate.

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

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ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 00124E34529R4M/3302

We hereby certify that

ANDELI GROUP CO.,LTD.

Business Registration Number: 91330281454423311F

No.208, Weiqi Road, Yueqing Economic Development Zone, Yueqing City, Wenzhou City, Zhejiang Province, China

by reason of its

Environmental Management System

has been awarded this certificate for compliance with the standard

ISO 14001:2015

The Environmental Management System Applies in the following area:

Design, Production of 40.5kV and Below High-voltage Switchgear, High-voltage Electrical Components, 250kVA and Below Power Transformer, 10kV and Below Column Mounted Transformer Set, Fault Indicator, Mutual Inductor, Electric Energy Meter, Low-voltage Switchgear, Low-voltage Electrical Components and Welding Machines Within the Scope of Qualification and Related Management Activity

Certified since: January 15, 2013 Valid from: November 4, 2024 Valid until: January 14, 2028

After a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC. Please access www.cqc.com.cn for checking validity of the certificate.

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ISO9001 OHSAS18001 ISO14001

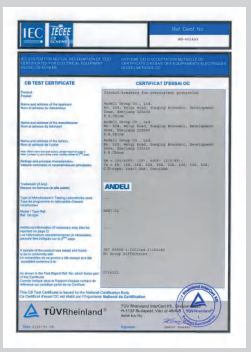

CERTIFICATE


CERTIFICATE


CERTIFICATE


CERTIFICATE


CERTIFICATE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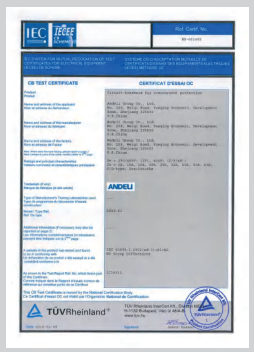
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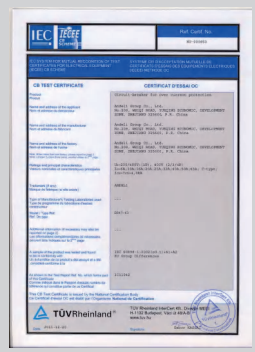
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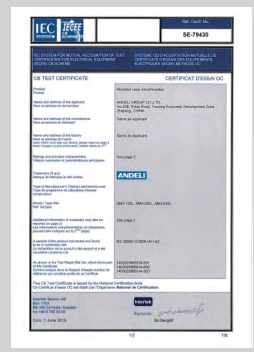
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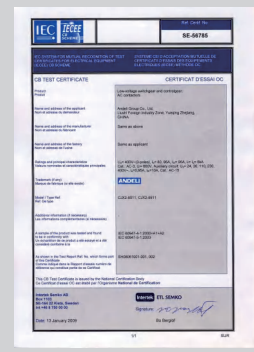
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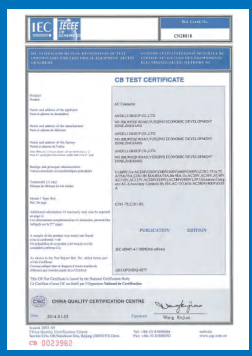
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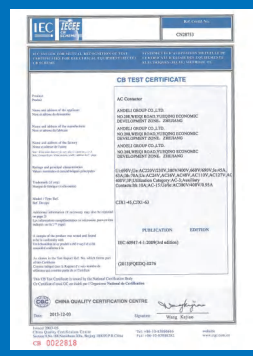
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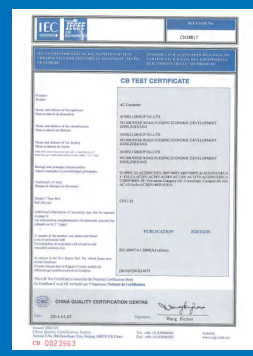
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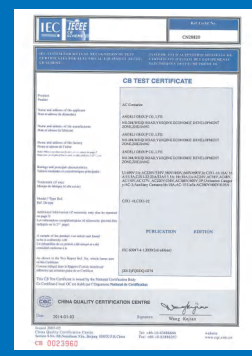
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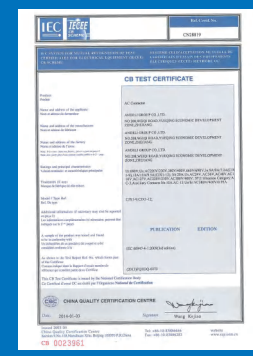
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CB 0023961


CB TEST CERTIFICATE
IEC SYSTEM OF CONFORMITY ASSESSMENT SCHEMES FOR ELECTROTECHNICAL EQUIPMENT AND COMPONENTS (IECEE) CB SCHEME
DEKRA


CB TEST CERTIFICATE
IEC SYSTEM OF CONFORMITY ASSESSMENT SCHEMES FOR ELECTROTECHNICAL EQUIPMENT AND COMPONENTS (IECEE) CB SCHEME
DEKRA


CB TEST CERTIFICATE
IEC SYSTEM OF CONFORMITY ASSESSMENT SCHEMES FOR ELECTROTECHNICAL EQUIPMENT AND COMPONENTS (IECEE) CB SCHEME
DEKRA


CB TEST CERTIFICATE
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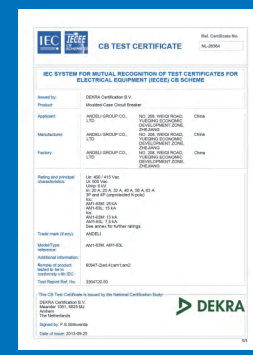
DEKRA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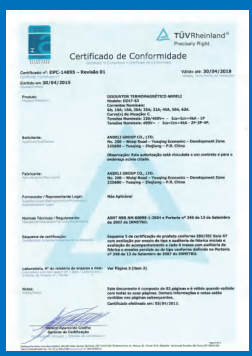
Certificado de Conformidade
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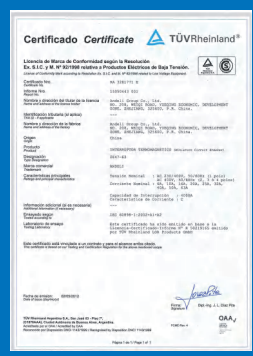
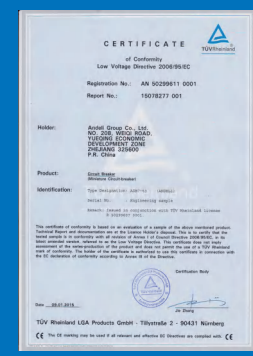
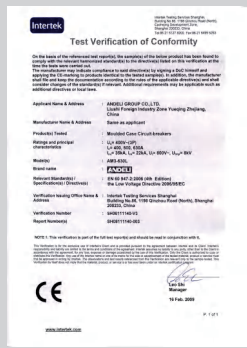

Certificado Certificate
TÜVRheinland

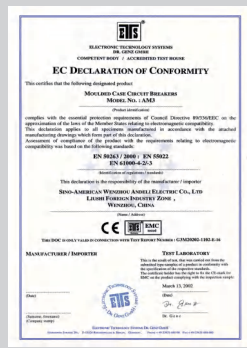

Certificate of Approval


Certificate
for European Product Safety
Moulded Case Circuit-breakers


CERTIFICATE
Low Voltage Directive 2006/95/EC
TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

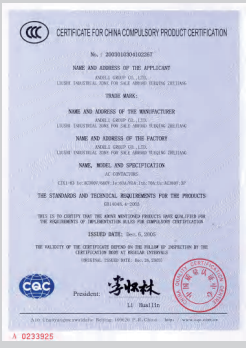

TCP Dr. Genz (HK) Co., Ltd.
Verification of Conformity
EU LVD DIRECTIVE 2006/95/EC


Intertek
Test Verification of Conformity


EC DECLARATION OF CONFORMITY
MOULDED CASE CIRCUIT BREAKERS
MODEL NO. : AM3


ATC
CERTIFICATE
EC Council Directive 2006/95/EC
Low Voltage Directive


SGS
STANDARDS ORGANISATION OF NIGERIA
SONCAP
PRODUCT Certificate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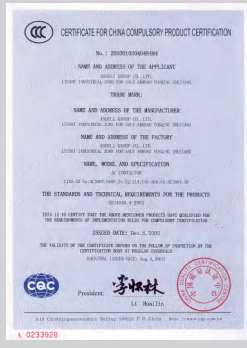
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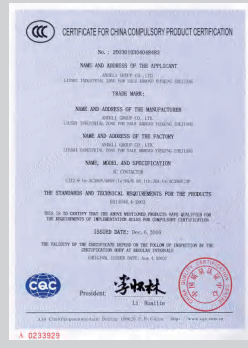
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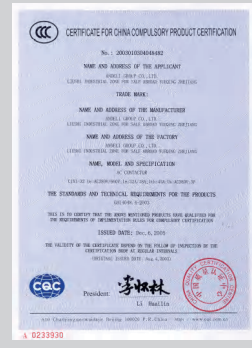
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A 0233930



KWH Meter & Panel Meter & Multimeter & Temperature Controller Thermocouple & Small Thermostat



DIN-rail KWH Meter 01
DDS1375 Single Phase Electronic Energy Meter 03
DTS1375,DSS1375 Three Phase Electronic Energy Meter 03
Single Phase Electronic Prepaid Energy Meter 04
Three Phase Electronic Prepayment Energy Meter 04
DD28,DD862,DT862,KWH Meter 05
Panel Meter 06
Digital Panel Meter 08
Model FL-2 Current Shunt 09
Model FL-21 Current Shunt 10
MSQ Current Transformers 11
MR Current Transformers 13
RCT Current Transformers 14
DP Current Transformers 15
LZZBJ9-10 Type Current Transformer 17
LZZBJ9-12 Type Current Transformer 19
LZZBJ9-36/250W1G1 Type Current Transformer 21
LZZBJ71-12,27.5,35 Type Outdoor Current Transformer 22
JDZ,JDZJ-6,10 Type Voltage Transformer 23
JDZC-6,10 Series Voltage Transformer 25
JDZ9-6,10 Type Voltage Transformer 27
JDZX9-6,10 Type Voltage Transformer 28
JDZ10-10 Type Voltage Transformer(Same RZL-10) 29
JDZX10-10 Type Voltage Transformer(Same REL-10) 30
JDZ9-35Q,JDZX9-35G Type Voltage Transformer..... 31
JDZX9-35(W) Type Voltage Transformer 32
JDZXW-35 Type Voltage Transformer 33
JDZW-35 Voltage Transformer 34
JLS-6,10,35 Type Outdoor Combined Transformer 35
JLS4-6,10,35 Type Outdoor Combined Transformer 36
JLSZV-6,10(W) Type Outdoor Combined Transformer 37
JDZ12A-6,10R Type Voltage Transformer 38
JSZV12A-3,6,10R Type Voltage Transformer 39
Digital Clamp Meter 40
Others 42
Temperature Controller 44
Thermocouple and Thermal Resistance 46
PTC Heater 15-150W HG140 47
Small PTC Heater 48
Small Thermostat KT011 49

DIN-rail KWH Meter



ADM25SC

1. Applications

ADM is a kind of single phase electronic Din rail watt-hour meter. It completely accords with relevant technical requirements of class 1 and class 2. It can accurately and directly measure active energy consumption. It can also display total energy consumption by analog type impulse register or LCD display. This watt-hour meter is according to EN62053-21.

Conform to EN62053-21 Accuracy	Class 1, 2
Frequency	50/60Hz
Single phase	120V or 230V
Rated impulse voltage	Uimp 6KV-1.2/50S
Power consumption	≤1.5W/6VA per phase
Temperature range	-10°C - +50°C



ADM25SCR

2. Specification

Type	Rating	Voltage	Class	Designation
ADM25S ADM25SC(LCD) ADM25SCR(RS485)	2.5(10)A 5(20)A 5(25)A 5(30)A	AC120V or 230V	1.0/2.0	Single Phase 1 module
ADM65S ADM65SC(LCD) ADM65SCR(RS485)	5(32)A 10(40)A 10(50)A 15(60)A 20(100)A	AC120V or 230V	1.0/2.0	Single Phase 2 module
ADM100S ADM100SC(LCD) ADM100SCR(RS485) ADM100SCF(Multi-Rate) ADMSCY(Prepaid)	5(30)A 10(60)A 15(90)A 20(100)A	AC120V or 230V	1.0/2.0	Single Phase 4 module



ADM65SC



ADM65SCR



ADM100S



ADM100SC



ADM100SCR

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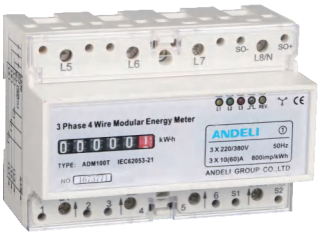
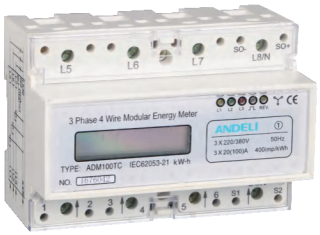
ADM

DIN-rail KWH Meter

1. Applications



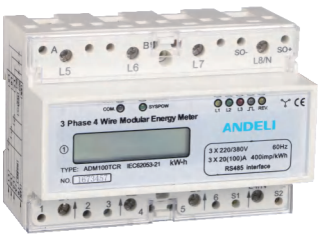
ADM100T



ADM100TC



ADM100TF



ADM100TCR

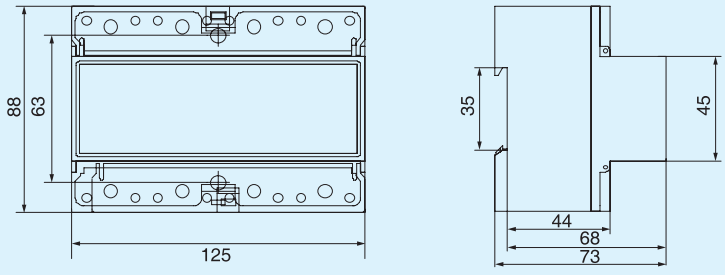
ADM is a kind of three phase electronic Din rail watt-hour meter. It completely accords with relevant technical requirements of class 1 and class 2. It can accurately and directly measure active energy consumption. It can also display total energy consumption by analog type impulse register or LCD display. This watt-hour meter is according to EN62053-21.

Conform to EN62053-21 Accuracy	Class 1, 2
Frequency	50/60Hz
Three phase	230V/400V
Rated impulse voltage	Uimp 10KV-1.2/50S
Power consumption	≤2W/10VA per phase
Temperature range	-10°C - +50°C

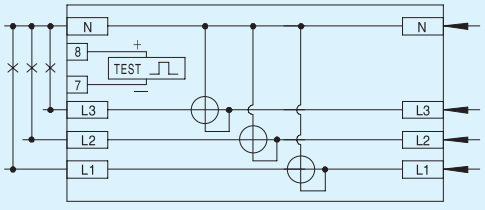
2. Specification

Type	Rating	Voltage	Class	Designation
ADM100T ADM100TC ADM100TCR ADM100TCF	1.5(6)A CT 3(6)A CT 5(30)A 10(60)A 15(90)A 20(100)A	230/400V	1.0	Three phase 7 module

3. Outer and Mount Dimension



4. Wiring Diagram



Terminal	Note
L1	L1 phase line
L2	L2 phase line
L3	L3 phase line
N	Neutral line
	(Inlet from bottom, outlet from top)
7 and 8	Port of pulse output passive

DDS1375 Single Phase Electronic Energy Meter



DDS1375

1. Applications

DDS1375 electronic energy meter is a kind of new style single phase two wire active energy meter. It adopts micro-electronics technique, and imports large scale integrate circuit, uses advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net. It's used for setting indoor or outdoors.

2.Specification

Model	Accuracy	Reference Voltage(V)	Current Specifications(A)	Starting Current(A)	Insulation Performance
DDS1375	Class1.0	127	5(30)	0.02	AC voltage 4kV for 1 minute,1.2/50us wave form impulse voltage 6kV
			10(60)	0.04	
		230	20(100)	0.08	



DDS1375

DTS1375,DSS1375 Three Phase Electronic Energy Meter

1. Applications

DTS1375/DSS1375 three phase four wire electronic front board installed active energy meter is a kind of new style three phase four wire active energy meter, it adopts micro-electronics technique and imported large scale integrate circuit, uses advanced technique of digital and SMT techniques, etc. The meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. It's used for setting indoor or outdoors.

2. Specification

Model	Accuracy	Reference Voltage(V)	Current Specifications(A)	Starting Current(A)	Insulation Performance
DTS1375	Class1.0	3×127/220	1.5(6)	0.02	AC voltage 4kV for 1 minute,1.2/50us wave form impulse voltage 6kV
			3(6)		
			5(20)	0.04	
DSS1375	Class2.0	3×230/400	10(40)		
			15(60)	0.08	
			30(100)		



DTS1375

Single Phase Electronic Prepaid Energy Meter



DDSY1375

1. Applications

DDSY1375 type single-phase electrnic pre-paid electric meter is developedanew kind product by our company, with is based on excellent of pre-paid special chip. It has multiple functions, such as electrical energy calculation, load control and user's information management. The product setting carge and adjusting load state in the electric-network.

The product can be installed in the electric meter box, indoor or outdoor, the ambient emperature is -25°C~+60°C. The relative humidity is not more than 85%.

Each of performance norms of the product accords with IEC61036 static meter international standard and all technical requirments of JB/T8382-1996 pre-paid electric meter standard.



2. Technical Parameters

Rated Current(A)	Rated Voltage(V)	Frequency(HZ)	Accuracy	Starting Currenrt(A)	Power Consumption
1.5(6)	220	50	Class1.0	0.4%(Class1.0)	<2W/5VA
2.5(10)					
5(20)					
10(40)			Class2.0	0.5%(Class2.0)	
15(60)					
20(80)					

*If you need different reference voltage or current specification, please advisory our sales

Three Phase Electronic Prepayment Energy Meter



DTSY1375

1. Applications

Type DTSY(DSSY)1375 three-phase electronic prepayment electric energy meter is the metrical instru ment controling ghe electricity by limiting the quantity and load after the user pays the rat-eto the supply departmentin advance. It employs the American chip to measure the impulse as well as the latest encypted IC card to transmit the data. with one card for one user, it is provided with the function for protecting again stelectricity-theft. Therefore, it is widely applied to industrial or mineral enterprises, real estate mangaement of small residential area, and town and country network reform.

Each of the performance indexes is styictiy in conformitly to the technical requirements for electronic threephase prepayment electric enetgy meter specified in IEC61036 and JB/T8382-96 standards.



2. Technical Parameters

Model	Accuracy	Rated Voltage(V)	Rated Current(A)	Connection Mode
DTSY1375	Class1.0	3×380/220	3×1(2),3×1.5(6),3×3(6)	C.T Type
			3×5(20),3×10(40) 3×15(60),3×20(80)	Direct Type
DSSY1375	Class1.0	3×380	3×1(2),3×1.5(6),3×3(6)	C.T Type
			3×5(20),3×10(40) 3×15(60),3×20(80)	Direct Type

*If you need different reference voltage or current specification, please advisory our sales

DD28,DD862,DT862,KWH Meter



DD282

1. Applications

The series single phase meter is a kind of induction meter to measure the single phase current at the rated frequency of 50Hz. It is an indoor installed meter. Ambient temperature: -10°C to 50°C, relative humidity: below 85% (25°C). DT8 and DT862 series three-phase meter is an induction meter to measure the three-phase current at the rated frequency (50Hz). It is an indoor installed meter; Ambient temperature: -10°C to 50°C, except the first grade is under the working condition of 0 to 40°C. Relative humidity: below 85% (25°C).

2. Specification

Item	Type	Accuracy	R.V.	Rated current (A)	Manner
single-phase watt-meter	DD862-4	2	220	2.5(10)5(20)10(40) 15(60)20(80) 30(100)	direct connection connection with
	DD862-2			1.5(6)	current transformer
	DD282 DD28			3(6)	
				2(4)2.5(5)3(6)5(10) 10(20)20(40)30(60) 40(80)5(20)10(40)	direct connection
three phase four-wire watt meter	DT862-4	2	3x380/220	5(20)10(40)15(60) 20(80)3(100)	direct connection
	DT862-2			1.5(6)	connection with current transformer
	DT8			3(6)	
				10.25.40.80	direct connection



DD862



DD862



DT862



DT862

Panel Meter



AC Ammeter

Model:AM-96 AM-72 AM-48
Class:1.5
Specs:0.1A 0.5A 1A 1.5A 3A 5A 7.5A 10A 15A 20A 25A 30A 50A 75-105A(use Ext.CT 5A)
Note:for60/75/100A direct meter,the class is 2.5.
Advantage:The scale can be easily changed without opening the front frame so that the class will not be influenced.



DC Ammeter

Model:AM-96 AM-72 AM-48
Class:1.5
Specs:25uA 50uA 1mA 2mA 5mA 10mA 20mA 30mA 50mA 75mA 100mA 150mA 200mA 250mA 300mA 500mA 1A 3A 5A 7.5A 10A 20A 30A 50A 75-105A(used with Shunt)
Feature:The scale can be easily changed without opening the front frame so that the class will not be influenced.



AC Voltmeter

Model:AM-96 AM-72 AM-48
Class:1.5
Specs:30V 50V 75V 100V 120V 150V 250V 300V 450V 600V For 450-380KV,should be used with potential transformer secondary voltage 100V.



DC Voltmeter

Model:AM-96 AM-72 AM-48
Class:1.5
Specs:3V 5V 7.5V 10V 15V 20V 50V 75V 100V 120V 150V 200V 250V 300V 400V 450V 600V
Note:Over 600V should be used with Ext.Resistor.(Rated Cuuent 5mA).



Moving Coil Instruments For Nonelectric Values

Model:AM-96 AM-72
These meters can measure the other non-electric values for example,temperature,speed and so on.



Frequency Meter

Pointer Type

Model:AM-96 AM-72 AM-48
Class:1.0
Volt:50V 100V 220V 380V
Freq:44-55Hz 45-66Hz 55-65Hz 47-53Hz 57-63Hz 44-56Hz 54-66Hz 450-550Hz 550-650Hz

Panel Meter















POWER FACTOR

For 3 phases circuits,balanced load 45-65Hz and for 1 phase AC 50Hz.
Model:AM-96 AM-72
Class:2.5
Voltage:100V 380V 440V
Frequency:50Hz 60Hz
Scale graduation:0.5cap-1-0.5ind 0.3cap-1-0.7ind 0.4cap-1-0.4ind 0.7cap-1-0.3ind.
Orders to be Noted:
Type of Current:1P,3P 3W circuits,balanced load.
Rated Volt:The voltage is line voltage(between two wires).
Operating Current:If used with CT,the secondary current 5A or 1A is standard.

POWER METER

Wattmeters with built-in converter for 1 phase,3P 3W,3P 4W.
Model:AM-96 AM-72
Class:1.5
Voltage:50V 100V 220V 240V 220/380V 240/415V
Current:5a
These meters are used with potential secondary voltage 100V voltage transformer or secondary current 5A CT.wattmeters with built-in converter for 3P 3W,3P 4W and single phase.

MODEL:AM-96 AM-80 AM-72 AM-60 AM-50
Struction:Moving Coil,Moving Iron and Rectifier.
Class:2.0 2.5

Name	Specifications	Remarks
DC Ammeter	30-1000uA 1-1000mA 1-50A 1K-10KA	Direct connection With EXt.Shunt
DC Voltmeter	40-1000mV 1-1000V 1-50A 1K-10KA	Direct connection With EXt.Resistor
DC Ammeter	1-1000mA 1-50A 5-1000A 1K-0KA	Direct connection With EXt.CT
DC Voltmeter	40-1000mA 1-1000V 1K-380KV	Direct connection With EXt.CT
Frequency Meter	Voltage:50-380V Frequency:45-55Hz 45-65Hz 55-65Hz	Only AM-80 is available
Power Factor Meter	Voltage:50-380V Frequency:0.5cap-1-0.5ind 0.3cap-1-0.7ind 0.4cap-1-0.4ind 0.7cap-1-0.3ind Suitable for 1Por 3P3W Circuit	
Power Meter	Voltage:50-380V Current:0.2-5A With Current or Voltage Transformer	

ANDELI

AM72N

Digital Panel Meter

1.Applications

Digital panel meter which is various and artistic in appearance design is used for dual slope, high precise A/D changeover circuit and high light LED cassette setting specification. It is very convenient for user to fix the equipment.

2.Specification

Description	Direct input range	Input current range	Operation voltage	Display range	Class
AC & DC digital voltage meter	AC DC0-100V	–	AC 220V 50/60Hz	0-1999	0.5
AC & DC digital Ampere meter	AC 10-20A DC 0-10A	–	AC 220V 50/60Hz	0-1999	0.5
Frequency digital meter	AC 10-2KHZ (20-300V)	–	AC 220V 50/60Hz	0-1999	0.5
AC tri-phase watt meter	AC 0-100V	AC 5A	AC 380V 50/60Hz AC 110V 50/60Hz	0-1999	–
AC single-phase watt meter	AC 0-220V	AC 10-5A	AC 220V 50/60Hz AC 110V 50/60Hz	0-1999	–
AC single-phase factor meter	AC 100-300V	AC 5A	AC 220V 50/60Hz	0.5-0-0.5	–



AM72N-A



AM72N-COS



AM72N-W



AM72N-V



AM96N-HZ



AM96N-A/V/HZ



AM72N-V



AM96N-3V/A



AM96N-COS



AM96N-LED



AM96N-A



AM96N-3V

ANDELI

FL-2

Model FL-2 Current Shunt



1~50A



75~100A



150~200A



300A



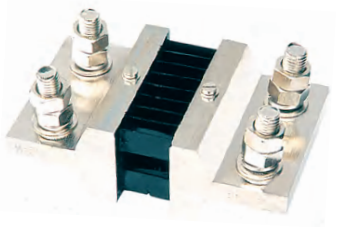
500A



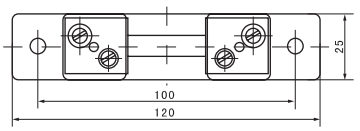
750A

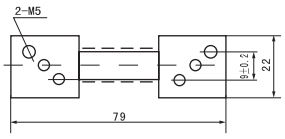


1000A

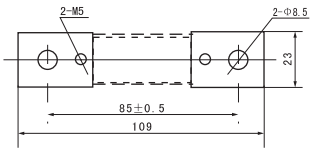


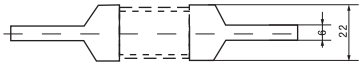
1500A

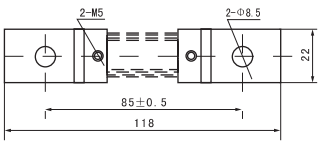


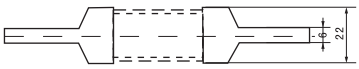


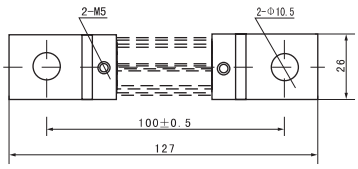


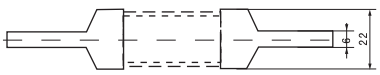


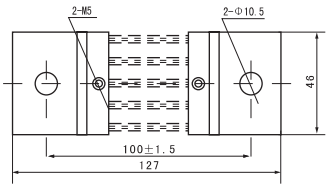


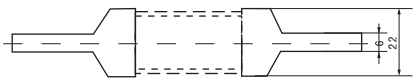


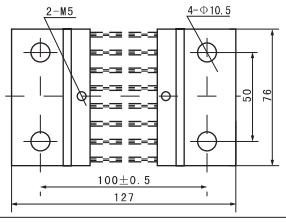




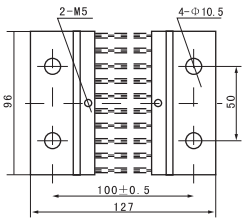


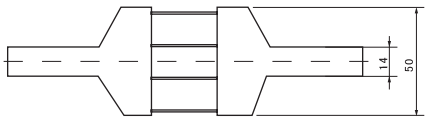


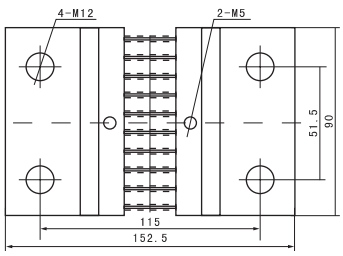












ANDELI

FL-21

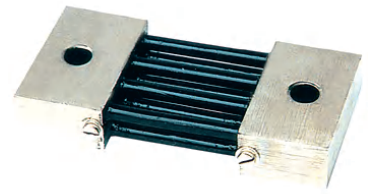
Model FL-21 Current Shunt



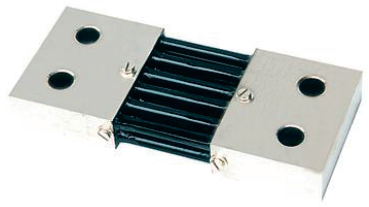
5~125A



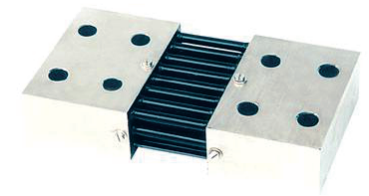
150~200A



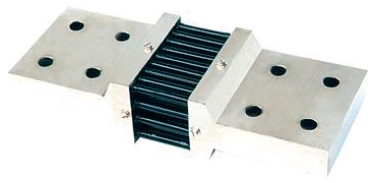
250~600A



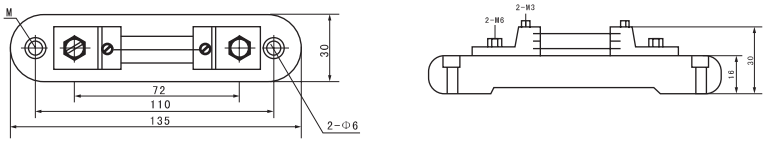
800~1500A

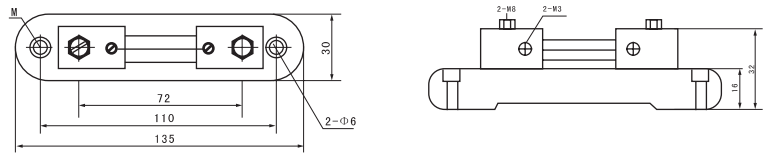


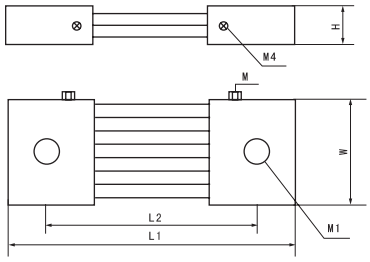
2000~2500A



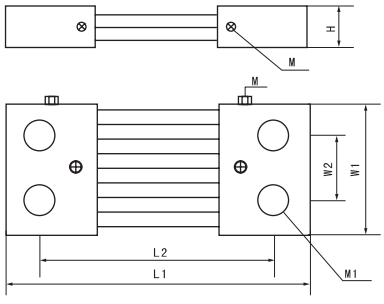
3000~6000A



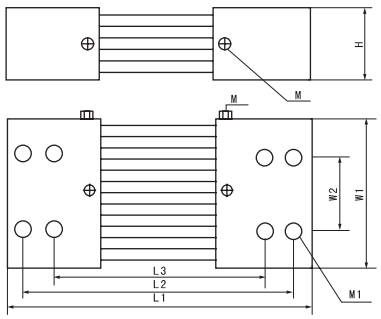




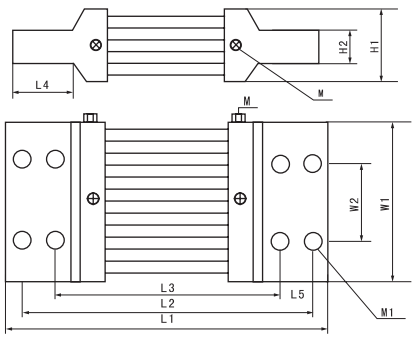
TYPE 50mV	250A	300A	400A	500A	600A
L1	116	116	116	116	122
L2	86	86	86	86	90
W	41	35	44	55	55
H	12	18.5	18.5	18.5	21
M	4	4	4	4	4
M1	13	13	13	13	13
Kg	0.31	0.37	0.49	0.61	0.77



TYPE 50mV	800A	1000A	1200A	1500A
L1	122	159	161	159
L2	90	121	123	121
W1	70	70	85	100
W2	35	35	45	49
H	21	21	21	21
M	4	4	4	4
M1	17	17	17	17
Kg	0.97	1.4	1.7	2.3



TYPE 50mV	2000A	2500A
L1	190	190
L2	165	165
L3	89	89
W1	100	110
W2	50	55
H	38	38
M	4	4
M1	17	17
Kg	4.7	5.3



TYPE 50mV	3000A	4000A	5000A	6000A
L1	273	292	315	327
L2	232	253	271	283
L3	142	153	163	185
L4	90	97	100	108
L5	45	50	54	55
W1	103	110	128	133
W2	55	55	60	65
H1	64	82	106	115
H2	28	34	41	48
M	4	4	4	4
M1	17	17	17	17
Kg	7	9.5	15	19.2

MSQ Current Transformer

1. MSQ-A

Primary current:	5A-150A
Secondary current:	5A,1A
Standard approval:	VDE0414,BS7626,IEC185
Maximum voltage:	0.66kV
Frequency:	50/60Hz
Rated load:	10VA
Class:	0.5,1.0
Short-time thermal current:	1th=60Ith
Rated security coefficient:	FS5
Mounting methods:	by once-lead or by copper bar



MSQ-30

2. Technical characteristics of current transformers:

WITH BUSBAR

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-A	30/5	5-10	5-10	0.60
	40/5	5-10	5-10	0.60
	50/5	5-10	5-10	0.60
	60/5	5-10	5-10	0.60
	75/5	5-10	5-10	0.60
	80/5	5-10	5-10	0.60
	100/5	5-10	5-10	0.60
	120/5	5-10	5-10	0.60
	125/5	5-10	5-10	0.60
	200/5	5-10	5-10	0.60
	250/5	5-10	5-10	0.60



MSQ-40

WINDOWS TYPE

Bar: 30x10mm
conductor: ø20mm

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-30	30/5	-	1	0.4
	40/5	-	1	0.4
	50/5	-	1	0.4
	60/5	-	1	0.4
	75/5	1	1.5	0.4
	80/5	1.5	2.5	0.4
	100/5	2.5	5	0.4
	150/5	5-10	5-10	0.4
	200/5	5-10	5-10	0.4
	250/5	5-10	5-10	0.4
	300/5	5-10	5-10	0.4



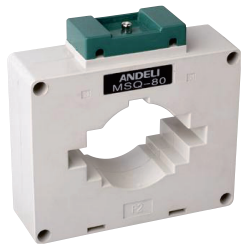
MSQ-60

WINDOWS TYPE

Bar:40x10mm
Conductor:ø30mm

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-40	100/5	2.5	2.5	0.38
	150/5	3	5	0.38
	200/5	5	5-10	0.38

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-40	250/5	5-10	5-10	0.38
	300/5	5-10	5-10	0.38
	400/5	5-10	5-10	0.38
	500/5	5-10	5-10	0.38



MSQ-80

WINDOWS TYPE

Bar:60x20mm
Conductor:ø40mm

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-60	250/5	5	5	0.60
	300/5	5	5	0.60
	400/5	5-10	5-10	0.60
	500/5	5-10	5-10	0.60
	600/5	10-15	10-15	0.60
	750/5	10-15	10-15	0.60
	800/5	10-15	10-15	0.60
	1000/5	15	15	0.60



MSQ-100

WINDOWS TYPE

Bar:82x30mm.
Conductor:ø80mm

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-80	750/5	15	15	0.75
	800/5	15	15	0.82
	1000/5	15	15	0.89
	1200/5	15	15	0.99
	1500/5	15	15	1.02

WINDOWS TYPE

Bar:80x30mm.or 100x10mm.
Conductor:ø60mm

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-100	1500/5	15	15	0.80
	1600/5	15	15	0.80
	2000/5	15	15	0.94
	2250/5	15	15	0.98
	2500/5	15	15	1.10
	3000/5	15	15	1.16



MSQ-125

WINDOWS TYPE

Bar:125x57mm.or 125x10mm.
Conductor:ø60mm

Type	Rated current(A)	Rated power(VA)		Weight (kg)
		Class:0.5	Class:1	
MSQ-125	1500/5	15	15	1.0
	2000/5	15	15	1.15
	2500/5	15	15	1.45
	3000/5	15	15	1.60
	4000/5	15	15	1.90
	5000/5	15	15	2.20

MR Current Transformer



MR-28

1. MR Series

Primary current:	30A-5000A
Secondary current:	5A,1A
Standard approval:	BS7626,IEC185
Maximum voltage:	0.72 kV
Frequency:	50/60Hz
Rated load:	5VA-15VA
Class:	1.0, 3.0
Short-time thermal current:	1th=60 x Ih
Rated security coefficient:	FS<5



MR-45

2. Specification

Class:0.5 1.0 3.0

Type	Current	ID(mm)	OD(mm)	TD(mm)
MR-28	30/5A~60/5A	28	70	40
MR-42	100/5A~250/5A	42	80	30
MR-45	300/5A	45	80	30
MR-60	400/5A~600/5A	60	100	30
MR-85	800/5A~1600/5A	85	120	20
MR-125	2000/A~5000/5A	125	165	20



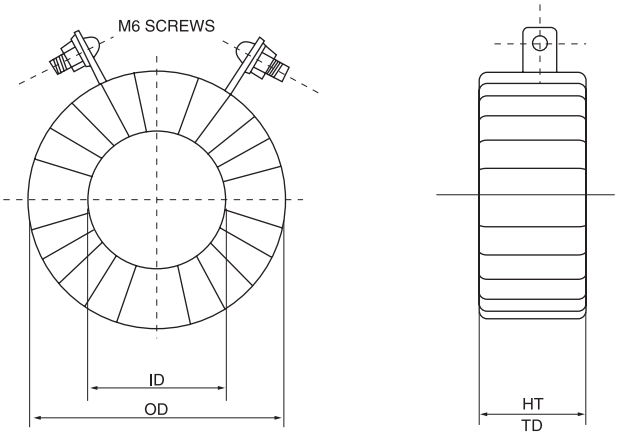
MR-60

Noted: For measuring current transformers the accuracy class is designated by the highest permissible percentage current(ratio)error at the rated current perscribed for the ac curacy class concerned.

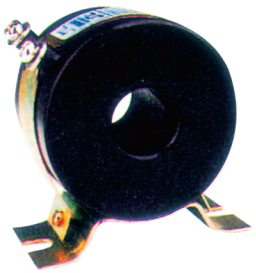
3. Outline Drawing



MR-85



RCT Current Transformer



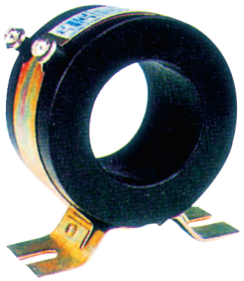
RCT-25

1. RCT Series

Primary current:	30A-3000A
Secondary current:	5A,1A
Standard approval:	IEC44-1
Maximum voltage:	0.66kV
Frequency:	50/60Hz
Rated load:	15VA
Class:	1.0
Short-time thermal current:	1th=60 x Ih
Rated security coefficient:	FS<5

2. Specification

Model	Primary/secondary
RCT-25	15/5A 20/5 30/5 40/5 50/5 60/5 75/5 100/5A
RCT-35	30/5 50/5 60/5 80/5 100/5 120/5 150/5 200/5 250/ 300/5A
RCT-60	300/5 400/5 500/5 600/5 800/5 1000/5 1200/5A
RCT-90	1000/5 1200/5 1500/5 1600/5 2000/5A
RCT-110	2000/5 2500/5 3000/5 4000/5 5000/5A



RCT-60

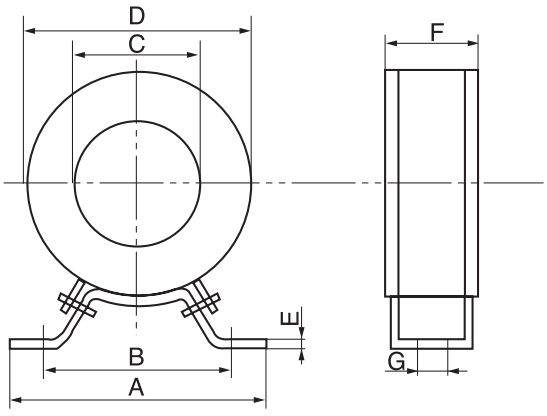
3.Outline and Installation Dimension (mm)

Dimension of case unit:mm

Model	RCT-25	RCT-35	RCT-60	RCT-90	RCT-110
A	93	93	93	93	102
B	78	78	78	78	86
V	25	32	60	90	111
D	78	78	104	136	157
E	2	2	2	2	2
F	55	55	41	41	52
G	9	9	9	9	9



RCT-110



DP Current Transformer

1. Split core current transformers DP series



The DP series of current transformers have been especially designed to facilitate their installation in new or already existing networks. They may be installed without opening any cable or bus bar circuit.

The connection of conventional CTs usually requires the interruption of the primary side circuit to pass cables or bus bars through the transformer core or to connect such cables to the primary terminals. The DP series transformers core may be easily opened and they may be installed and connected without any supply interruption, thus saving time and installation costs.

The main features of DP transformers are:

- Small size and easy mounting.
- Wide inner window, allowing clamping of big cables or bus bars.
- Wide range of sizes to accomodate all the existing installations.
- High accuracy and reliability.

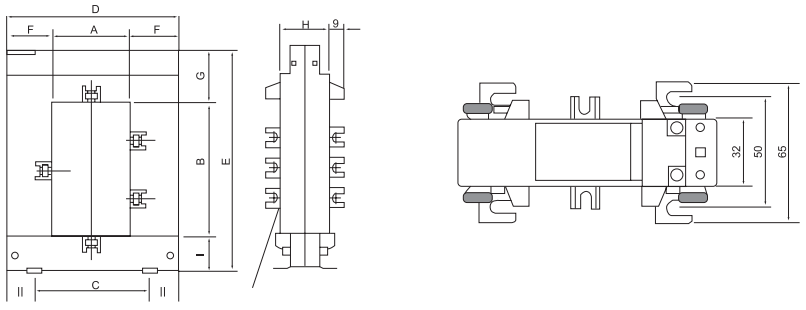
2. Split core current transformers DP series



Primary current	100A-5000A
Secondary current	5A,1A
Standard approval	IEC44-1, BS7626
Maximum voltage	0.72/3kV
Frequency	50/60Hz
Rated load	1VA-30VA
Class	0.5, 1.0, 3.0
Short-time thermal current	Ith=100 x In
Rated security coefficient	FS<5

3. Outline and Installation Dimension(mm)

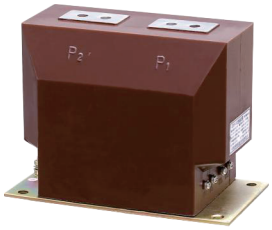
Model	A	B	C	D	E	F	G	H	I	Weight(kg)
DP-23	20	30	51	89	111	34	47	40	32	0.75
DP-58	50	80	78	114	145	32	32	32	33	0.90
DP-88	80	80	108	144	145	32	32	32	33	1.05
DP-812	80	120	108	144	185	32	32	32	33	1.25
DP-816	80	160	120	184	245	52	52	52	38	4.3



4. Specification

Model	Nominal current ratio	Burden VA	
		Class:0.5	Class:1
		VA	VA
DP-23	100		
	150		
	200		1.5
	250		2
	300	1.5	3.75
	400	2.5	6
DP-58	250	1.5	2
	300	1.5	3
	400	1.5	3
	500	2.5	5
	600	2.5	5
	750	2.5	6
	800	2.5	7.5
	1000	5	10
DP-88	250	1.5	3.75
	300	1.5	6
	400	1.5	10
	500	2.5	15
	600	2.5	17.5
	750	2.5	18
	800	2.5	18
	1000	5	20
DP-812	500	2.5	12
	600	2.5	15
	750	2.5	17.5
	800	2.5	18
	1000	5	20
	1200	6	25
	1250	7.5	25
	1500	7.5	30
DP-816	1000	10	20
	1500	15	25
	2000	15	25
	2500	15	25
	3000	20	30
	4000	20	30
	5000	20	30

LZZBJ9-10 Type Current Transformer



1. Type and Meaning

L Z Z B J 9 - 10 A,B,C

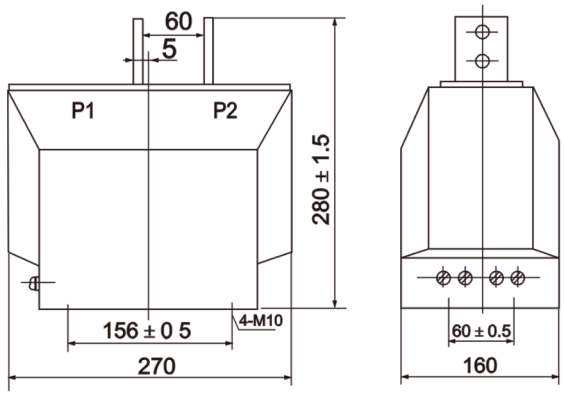
- A,B,C — Structure
- 10 — Rated voltage(kV)
- 9 — Design No.
- J — Strengthen
- B — With protective class
- Z — Cast-resin insolated
- Z — Seat type
- L — Current transformer

2. Specification

Type	Rated transformation ratio(A)	Accuracy Classes combination	Accuracy class and rated output COSØ=0.8				1s thermal current(kA)	Rated dynamic current(kA)
			0.2S	0.2	0.5	10P15		
	5/5	0.2S/0.5	10	10	10	15	0.8	1.9
	10/5	0.2S/0.25					1.5	3.8
	15/5	0.2S/10P15					2.3	5.8
	20/5	0.2/10P15					3	7.5
LZZBJ9-10A1G	30/5	0.5/10P15					4.5	11.2
	40/5	0.2/0.5/10P15					6	15
LZZBJ9-10B	50/5	0.2S/0.5/10P15					7.5	18.8
LZZBJ9-10C	75/5	0.2S/10P20					11.5	29
	100/5	0.2/10P20					15	37.5
	150-200/5	0.5/10P20					22.5	56.5
	300-600/5	0.2S/10P30					45	112.5
	800-2500/5	0.5/10P30					63	157.5

Note: any special requirements can be negotiated with us,thermal and heat both stable,we can customized your requirement.

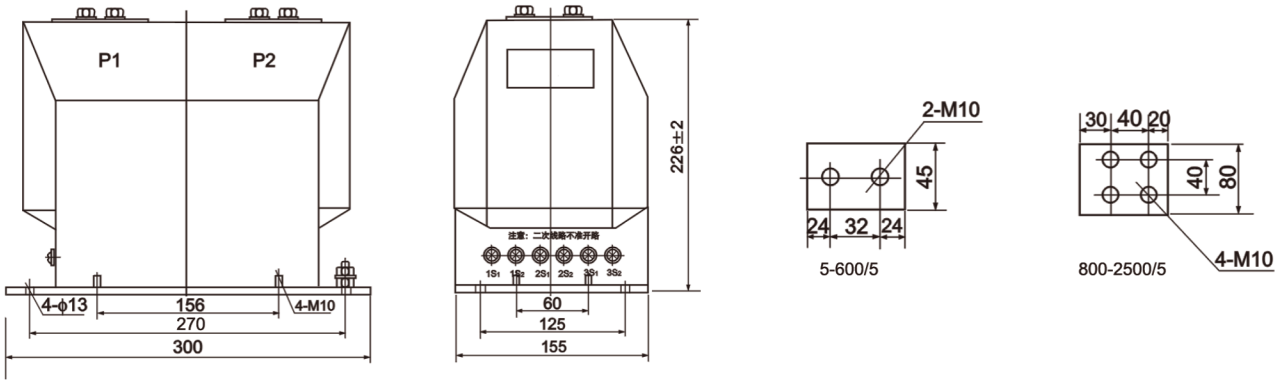
3. Overall Dimension Drawing



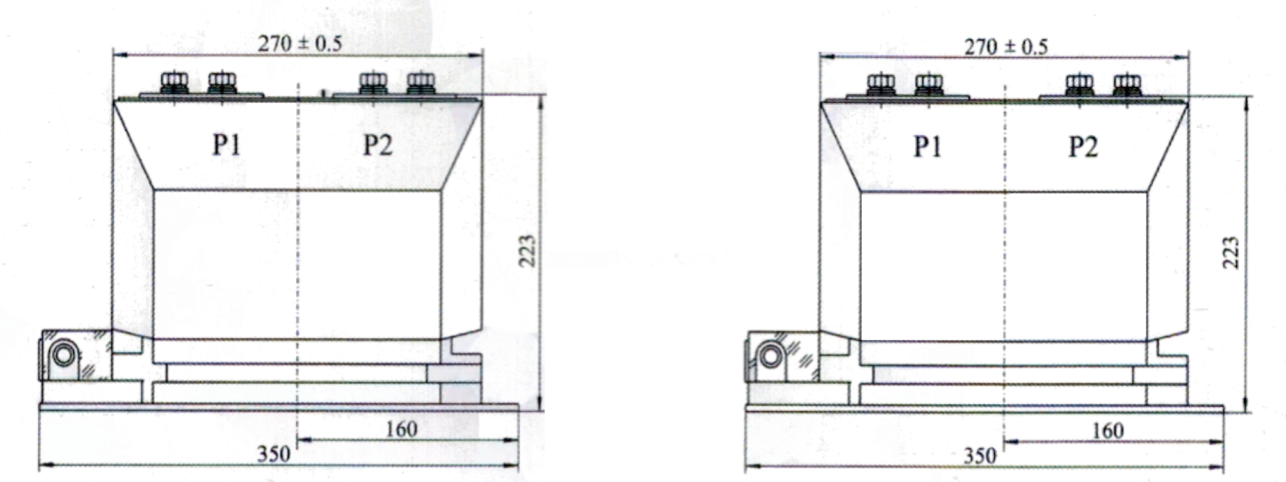
LZZBJ9-10

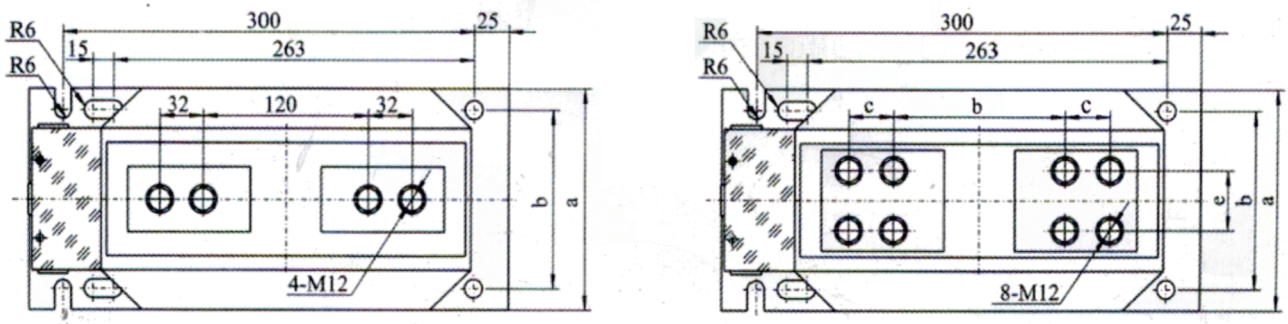
ANDELI

LZZBJ9-10



LZZBJ9-10C





Rated Primary Current		5-600/5		800-2500/5					3100-3150				
Dimension Code		a	b	a	b	c	d	e	a	b	c	d	e
Type	LZZBJ9-10A1G	155	125	155	125	24	120	40					
	LZZBJ9-10A2G	175	145	175	145	24	120	40	175	145	40	100	50

LZZBJ9-12 Type Current Transformer



1. Type and Meaning

L Z Z B J 9 - 12

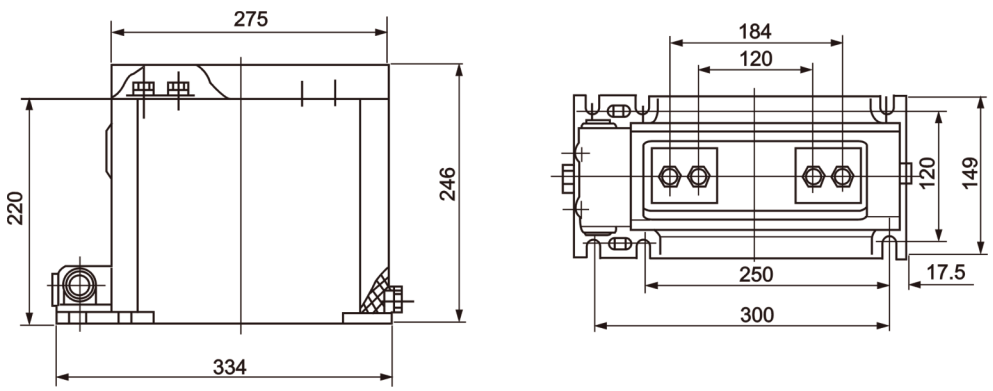
- 12 — Rated voltage(kV)
- 9 — Design No.
- J — Strengthen
- B — With protective class
- Z — Cast-resin insolated
- Z — Seat type
- L — Current transformer

2. Specification

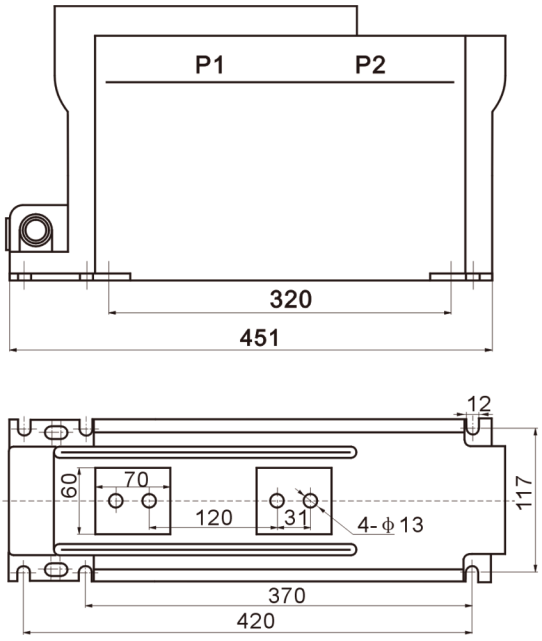
Type	Rated transformation ratio(A)	Accuracy Classes combination	Accuracy class and rated output COSØ=0.8				1s thermal current(kA)	Rated dynamic current(kA)
			0.2S	0.2	0.5	10P15		
	5/5						0.8	1.9
	10/5						1.5	3.8
	15/5						2.3	5.8
LZZBJ9-12	20/5						3	7.5
(AS12/150b/2S)	30/5	0.2S/10P15					4.5	11.2
(AS12/150b/4S)	40/5						6	15
	50/5	0.2/10P15	10	10	10	15	7.5	18.8
(AS12/175b/2S)	75/5						11.5	29
(AS12/175b/4S)	100/5	0.5/10P15					15	37.5
	150-200/5						22.5	56.5
	300-600/5						45	112.5
	800-2500/5						63	157.5

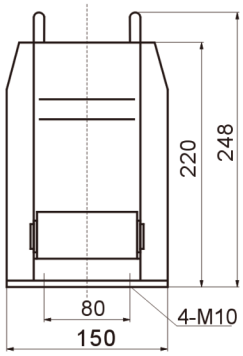
Note: any special requirements can be negotiated with us,thermal and heat both stable,we can customized your requirement.

3. Outline and Mounting Dimension

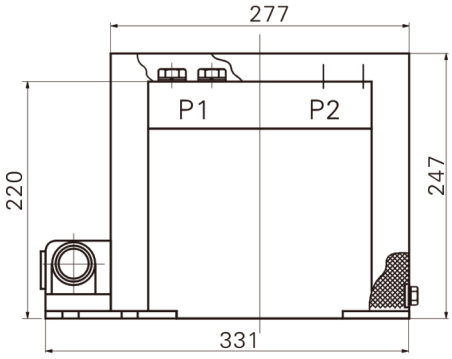


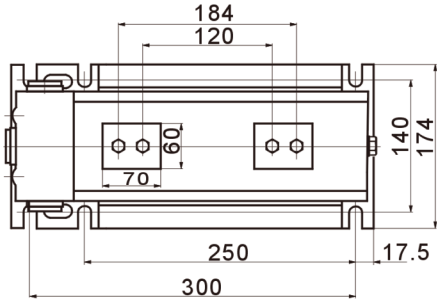
LZZBJ9-12(AS12/150b2S)



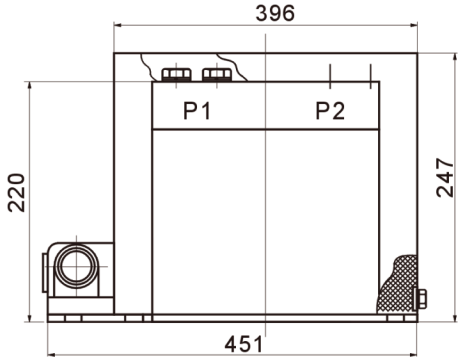


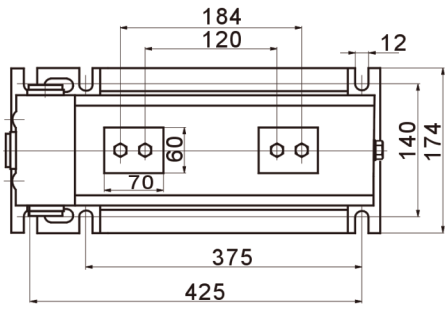
LZZBJ9-12(AS12/150b/4S)





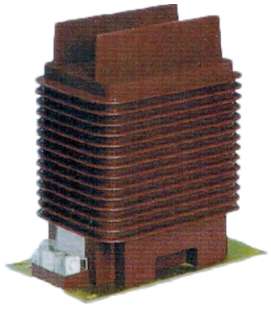
LZZBJ9-12(AS12/175b/2S)





LZZBJ9-12(AS12/175b/4S)

LZZBJ9-36/250W1G1 Type Current Transformer



1. Type and Meaning

L Z Z B J 9 - 36 /250 W1G1

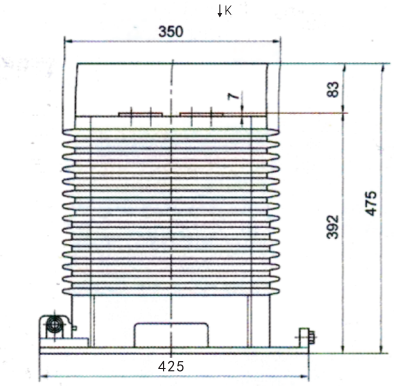
- W1G1 — Structure code
- 250 — Nominal width
- 36 — Rated voltage(kV)
- 9 — Design No.
- J — Reinforced type
- B — With protective class
- Z — Casting type
- Z — Seat type
- L — Current reansformer

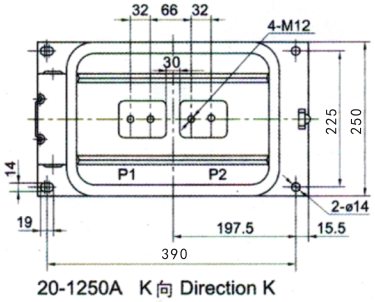
2. Specification

Type	Rated primary current lin(A)	Accuracy Classes combination	Rated secondary output(A)			Short-time thermal current(kA/S)	Rated dynamic current(kA)
			0.2	0.5	5P20		
LZZBJ9-36	20-100	0.2S/0.2S	10	15	15	200Iin	500Iin
	150-200	0.2S/0.5	10	15	15	31.5	80
	300-500	0.5/0.5	10	15	15	31.5/2	80
	600-1250	0.2S/5P20	15	30	20	31.5/4	31.5/4
	1500-2000	0.5/5P20	20	40	30	40/4	125
	2500	0.2S/0.5/5P20	20	40	20	40/4	125

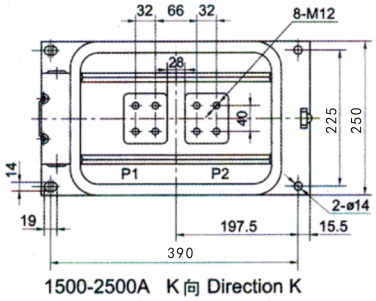
Note: any special requirements can be negotiated with us,thermal and heat both stable,we can customized your requirement.

3. Outline and Mounting Dimension



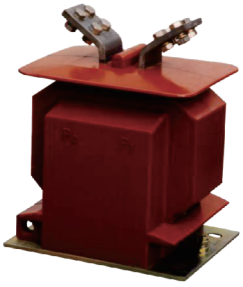


20-1250A K向 Direction K



1500-2500A K向 Direction K

LZZBJ71-12,27.5,35 Type Outdoor Current Transformer



1. Type and Meaning

L Z Z B J 71 - □

- Rated voltage(kV)
- Design No.
- Strengthen
- With protective class
- Cast-resin insolated
- Seat type
- Voltage transformer

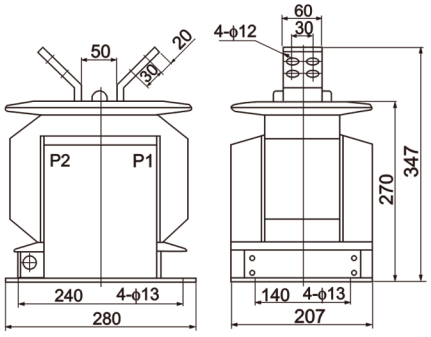
2. Specification



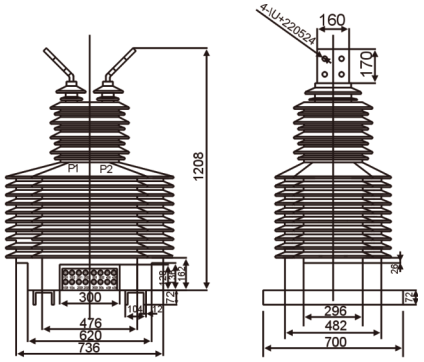
Type	Rated transformation ratio(A)	Accuracy Classes combination	Accuracy class and rated output COSØ=0.8				1s thermal current(kA)	Rated dynamic current(kA)
			0.2S	0.2	0.5	10P10		
LZZBJ71-12	5-100/5	0.2S/10P15 0.2/10P15 0.5/10P15	10	15	20	20	200I In	500I In
	150-300/5						150I In	375I In
	400/5						45	112.5
	500/5							
	600/5						63	157.5
	800/5							
	1000/5						80	200
	1500/5							
LZZBJ71-27.5 LZZBJ71-35	5-100/5	0.2S/10P15 0.2/10P15 0.5/10P15	10	15	20	30	150I In	375I In
	150/5						22.5	57
	200/5						27.5	69
	300/5						45	112.5
	400/5							
	500/5						63	157.5
	600/5							
	800/5							
	1000-2500/5						80	200

Note: any special requirements can be negotiated with us,thermal and heat both stable,we can customized your requirement.

3. Outline and Mounting Dimension



LZZBJ71-12



JDZ,JDZJ-6,10 Type Voltage Transformer



1. Type and Meaning

J D Z J - □

- Rated voltage(kV)
- Earthing protection
- Cast-resin insulated
- Single-phase
- Voltage transformer

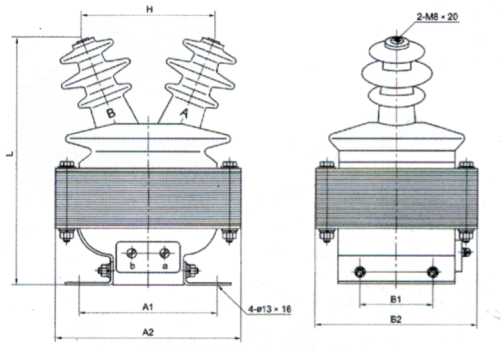
2. Specification



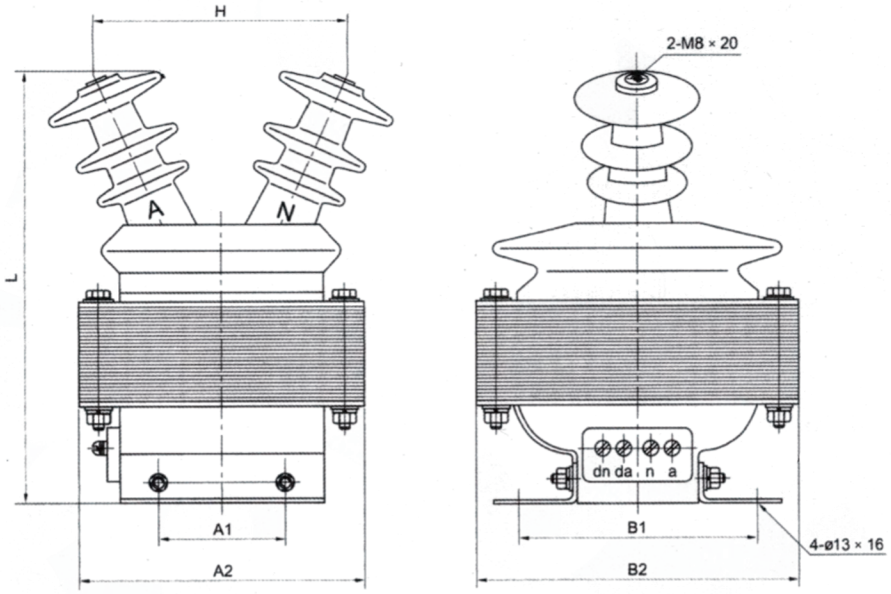
Type	Rated transformation ratio(A)	Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	1	3	3P 6P		
JDZ-6(Q)	3000/100	15	30	50	80		200	3.6/24/40
	6000/100	20	30	80	200		400	7.2/32/60
JDZ-10(Q)	10000/100	30	80	120	300		500	12/42/75
	10000/200							
	11000/100							
JDZJ-6(Q)	$\frac{3000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	15	30	50	80	100	200	3.6/24/40
	$\frac{6000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	20	30	80	200	100	400	7.2/32/60
JDZJ-10(Q)	$\frac{10000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	20	50	80	200	100	400	12/42/75
	$\frac{11000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$							

Note: any special requirements can be negotiated with us.

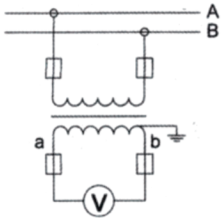
3. Outline and Mounting Dimension



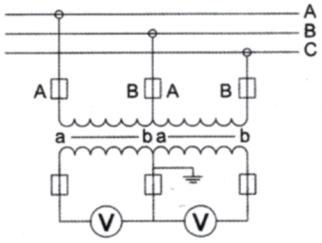
Type	H	L	A1	A2	B1	B2
JDZ-10Q	165	315	170	230	90	202
JDZ-3、6Q	160	285	168	216	90	188



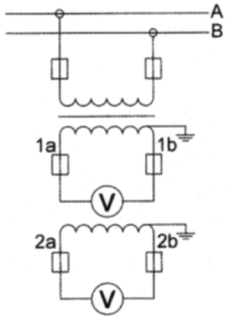
Type	H	L	A1	A2	B1	B2
JDZJ-10Q	180	315	90	202	170	230
JDZJ-3、6Q	160	285		188	168	216



(Figure 1)



(Figure 2)



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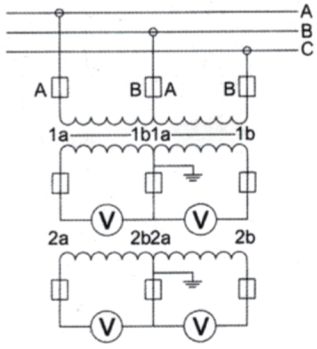

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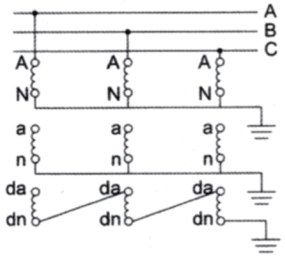

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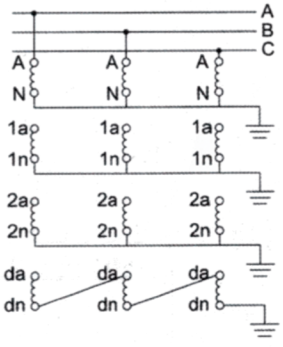

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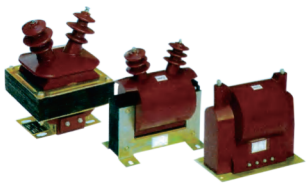


JDZC-6,10 Series Voltage Transformer

1. Type and Meaning

J D Z C - 6 10

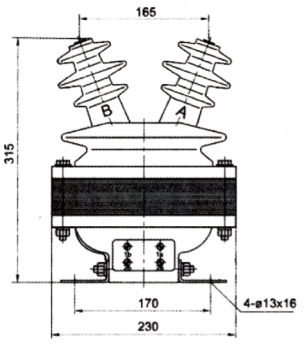
- Rated voltage(kv)
- For operating power supply
- Cast-resin insulated
- Single-phase
- Voltage transformer

2. Specification

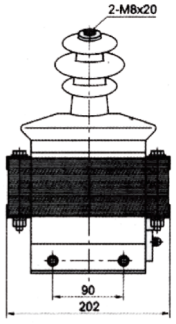
Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8		Thermal limiting output(VA)	Rated insulation level(kV)
		1a1b(100v)	2a2b(220v)		
JDZC-6	6000/100/200	30	500-700	400	7. 2/32/60
		50	800-1500		
JDZC-10	10000/100/200	80	2000	600	12/42/75

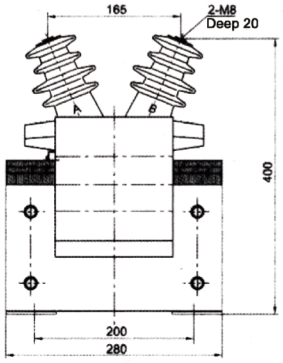
Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension

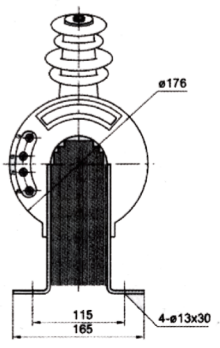


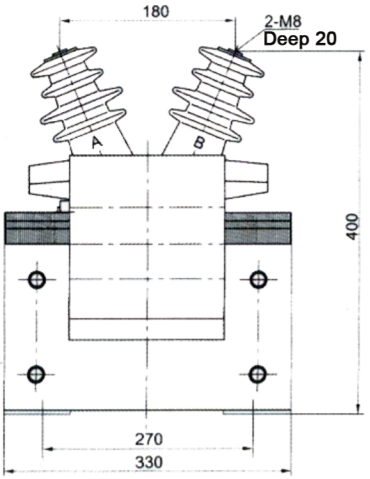
(500–700VA)



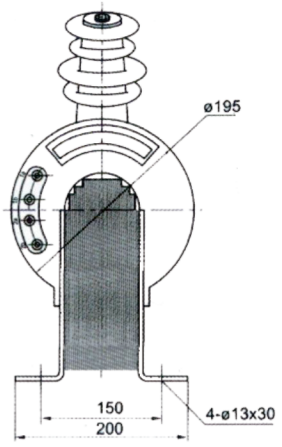


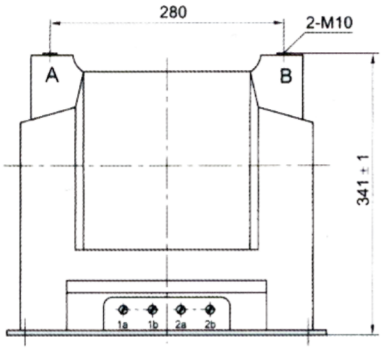
(800-1000VA)



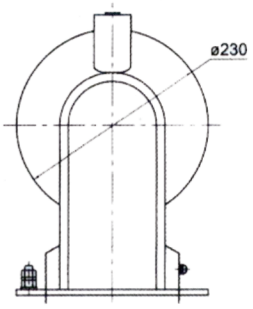


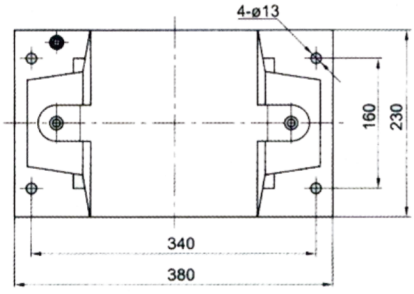
(1500–2000VA)

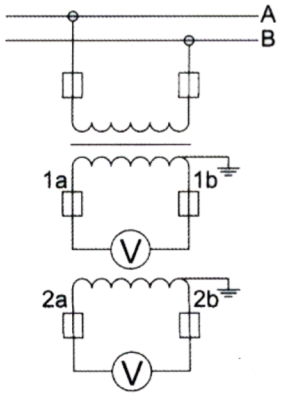




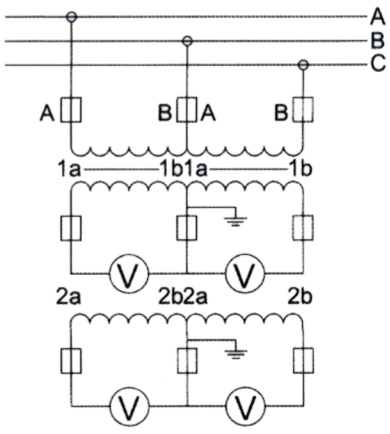
(3000VA)







(Figure 1)



(Figure 2)

JDZ9-6,10 Type Voltage Transformer



1. Type and Meaning

J D Z 9 - □

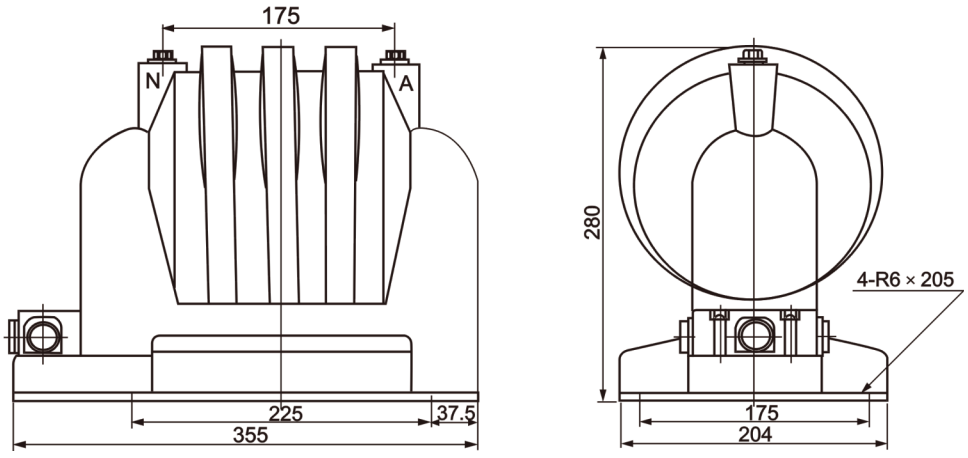
- Rated voltage(kv)
- Design No.
- Cast-resin insulated
- Single-phase
- Voltage transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	1	3	3P 6P		
JDZ9-6	6000/100	20	50	100	150	200	400	7. 2/32/60
JDZ9-10	10000/100	30	80	200	240	240	600	12/42/75

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JDZX9-6,10 Type Voltage Transformer



1. Type and Meaning

J D Z X-9 □

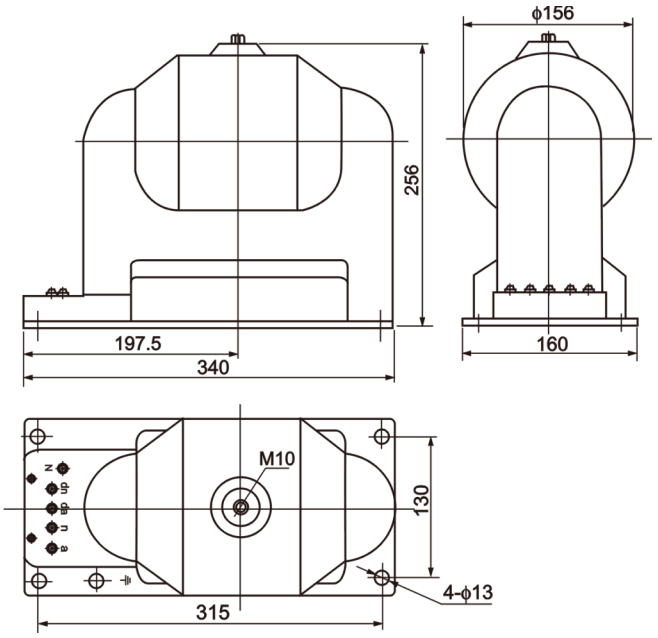
- Rated voltage(kV)
- Design No.
- With residual voltage winding
- Cast-resin insulated
- Single-phase
- Voltage transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	1	3P	3P 6P		
JDZX9-6	$\frac{6000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	15	30	100	100	100	400	7. 2/32/60
JDZX9-10	$\frac{10000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	25	50	180	100	100	600	12/42/75

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JDZ10-10 Type Voltage Transformer(Same RZL-10)



1. Type and Meaning

J D Z 10 - 10

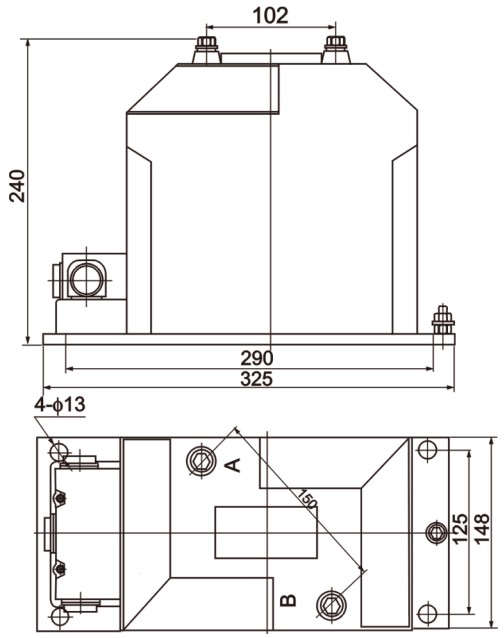
- Rated voltage(kv)
- Design No.
- Cast-resin insulated
- Single-phase
- Voltage transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	1	3	3P 6P		
JDZ10-10 (RZL-10)	6000/100	15	30	60	50	50	200	7. 2/32/60
	10000/10	15	30	60	50	50	200	12/42/72

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JDZX10-10 Type Voltage Transformer(Same REL-10)



1. Type and Meaning

J D Z X 10 - 10

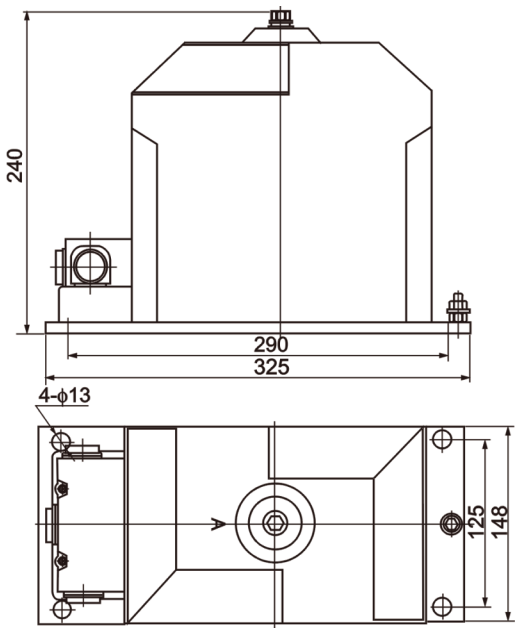
- Rated voltage(kv)
- Design No.
- With residual voltage winding
- Cast-resin insulated
- Single-phase
- Voltage transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	1	3	3P 6P		
JDZX10-10 (REL-10)	$\frac{6000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	15	30	60	50	50	200	7. 2/32/60
	$\frac{10000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	15	30	60	50	50	200	12/42/75

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JDZ9-35Q,JDZX9-35G Type Voltage Transformer



1. Type and Meaning

J D Z 9 -35

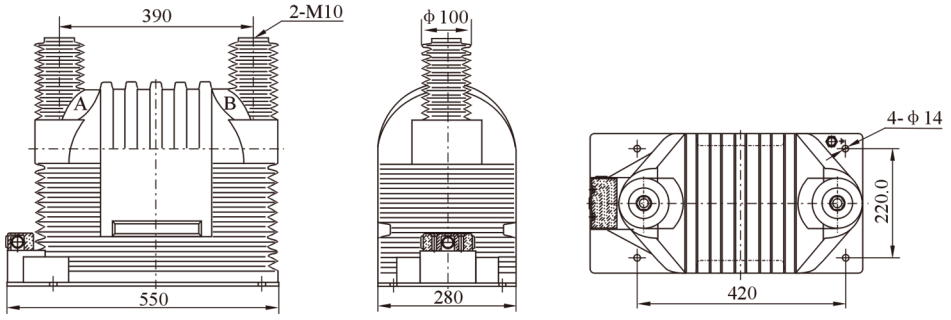
- Rated voltage(kv)
- Design No.
- Cast-resin insulated
- Single-phase
- Voltage transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	0.2/0.5	0.5/0.5	3P 6P		
JDZ9-35	35000/100	60	120				800	40.5/95/200
	35000/100/100			30/80	40/80		400	

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension





JDZX9-35(W) Type Voltage Transformer

1. Type and Meaning

J D Z X 9 - 35(W)

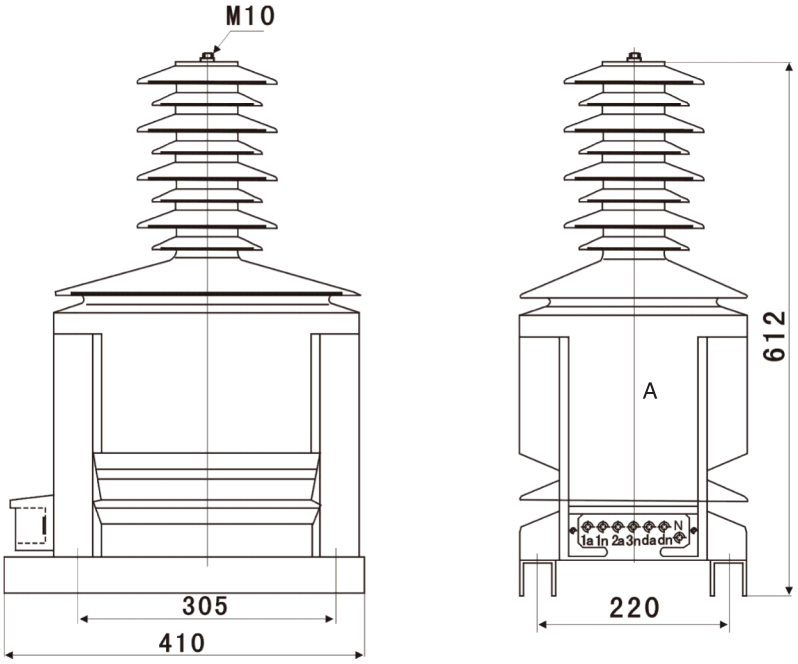
- 35(W) — Rated voltage(kv)
- 9 — Design No.
- X — With residual voltage winding
- Z — Cast-resin insulated
- D — Single-phase
- J — Voltage transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	0.2/0.5	0.5/0.5	3P 6P		
JDZ9-35(W)	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	40	80			100	600	40.5/95/200
	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$			20/50	30/30	100	300	

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JDZXW-35 Type Voltage Transformer



1. Type and Meaning

J D Z X W - 35

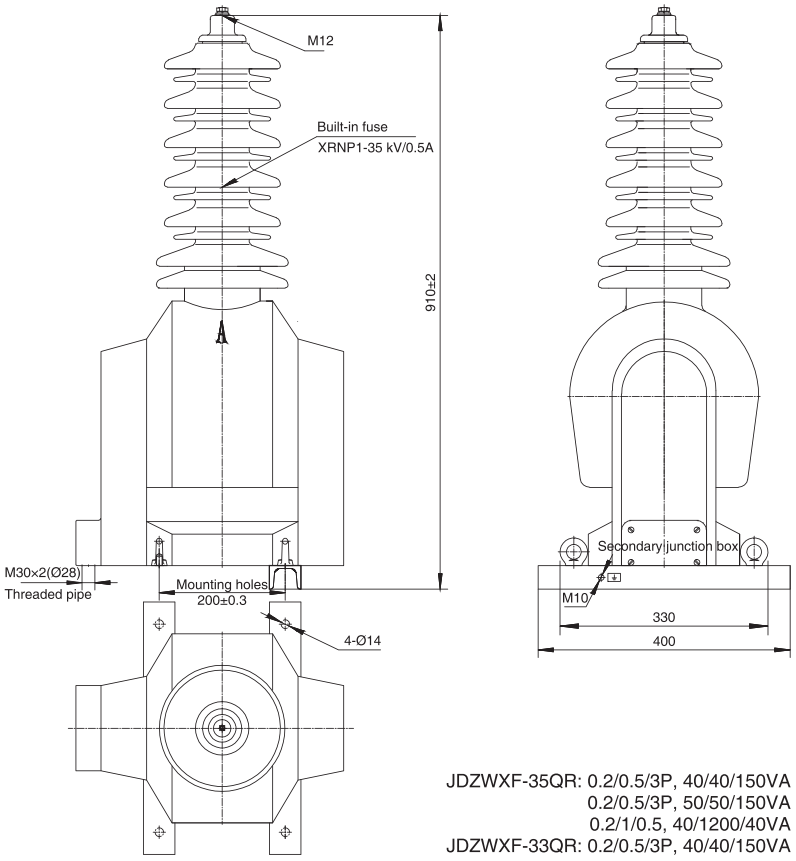
- 35 — Rated Voltage(KV)
- W — Outdoor type
- X — Residual voltage winding
- Z — Cast-resin insulated
- D — Single-phase
- J — Current transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated secondary output(VA)							Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	1	3	0.2/0.2 0.2/0.5	0.5/0.5	6P		
JDZXW-35	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	30	90	180	500	/	/	100	600	40.5/95/200
	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	/	/	/	/	20/20 20/30	45/45	100	300/300	

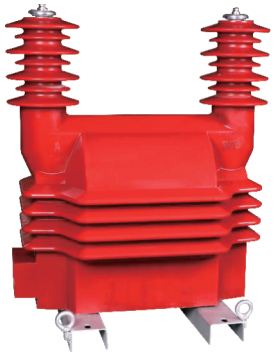
Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JDZWXF-35QR: 0.2/0.5/3P, 40/40/150VA
0.2/0.5/3P, 50/50/150VA
0.2/1/0.5, 40/1200/40VA
JDZWXF-33QR: 0.2/0.5/3P, 40/40/150VA

JDZW-35 Voltage Transformer



1. Type and Meaning

J D Z (X) W - 35 (G)

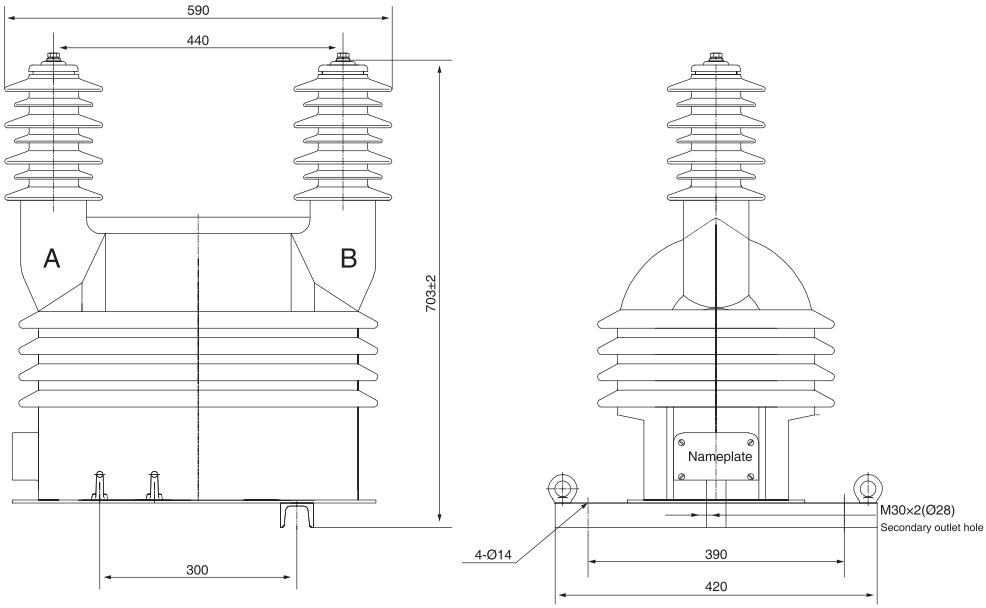
- All insulation
- Voltage class(KV)
- Outdoor type
- Residual voltage winding
- Cast-resin insulated
- Single-phase
- Current transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated secondary output(VA)							Thermal limiting output(VA)	Rated insulation level(kV)
		0.2	0.5	1	3	0.2/0.2 0.2/0.5	0.5/0.5	6P(3P)		
JDZW-35	35000/100	60	150	300	600	/	/	/	1200	40.5/95/200
	35000/100/100	/	/	/	/	30/30 30/40	60/60	/	600/600	
JDZXW-35G	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	90	200	500	/	/	/	100	600	
	$\frac{35000}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{\sqrt{3}}/\frac{100}{3}$	/	/	/	/	15/15 15/20	30/30	100	300/300	

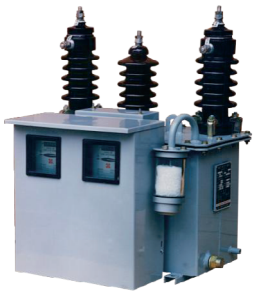
Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JDZW-35CQ: 0.5, 60VA
JZW-35:0.2/0.2, 40/40VA1,1200VA
JZW-33:0.2/0.2, 40/40VA

JLS-6,10,35 Type Outdoor Combined Transformer



1. Type and Meaning

JL S □

- Rated voltage(kV)
- Three-phase
- Combined transformer

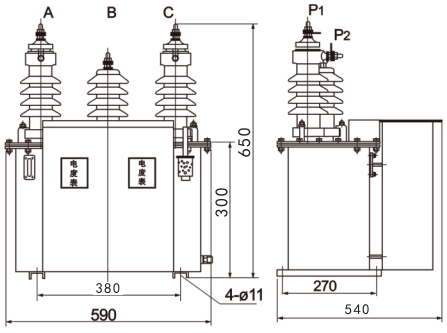
2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8				1s thermal current(kA)	Rated dynamic current(kA)	Weight (kg)
		0.2S	0.5S	0.5	0.5			
JLS-6 JLS-10	2.5-400/5	2×10	2×10	2×10(15)	2×10(20)	60I IN	150I IN	
JLS-6 JLS-10	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8				Thermal limiting output(VA)		
		0.2		0.5	1			
JLS-35	6000/100	2×20		2×30	2×50	300		95
	10000/100							
	35000/100	2×30		2×50	2×80	400		320

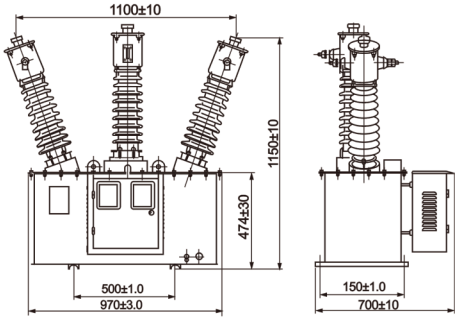
Note: the date that it's parentheses is volume increase JLS-35 type product



3. Outline and Mounting Dimension



JLS-6、10

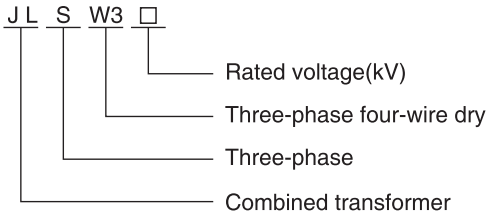


JLS-35

JLS4-6,10,35 Type Outdoor Combined Transformer



1. Type and Meaning

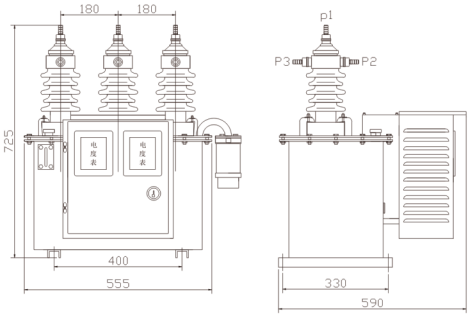


2. Specification

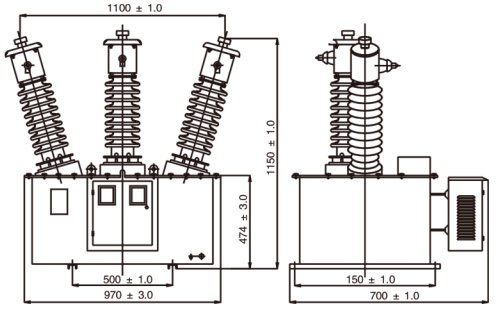
Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8				1s thermal current(kA)	Rated dynamic current(kA)	Weight (kg)
		0.2S	0.5S	0.2	0.5			
JLS4-6 JLS4-10	2.5-400/5	3×10	3×10	3×10(15)	3×10(20)	60I IN	150I IN	
	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8				Thermal limiting output(VA)		
		0.2		0.5	1			
JLS4-35	6000/100 10000/100	3×20		3×30	3×50	300		95
	35000/100	3×30		3×50	3×80	400		320

Note: any special requirements can be negotiated with us

3. Outline and Mounting Dimension

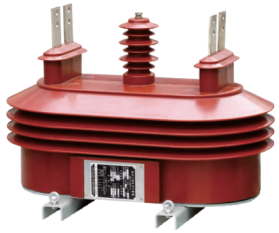


JLS4-10



JLS4-35

JLSZV-6,10(W) Type Outdoor Combined Transformer



1. Type and Meaning

JL S Z V - □ W

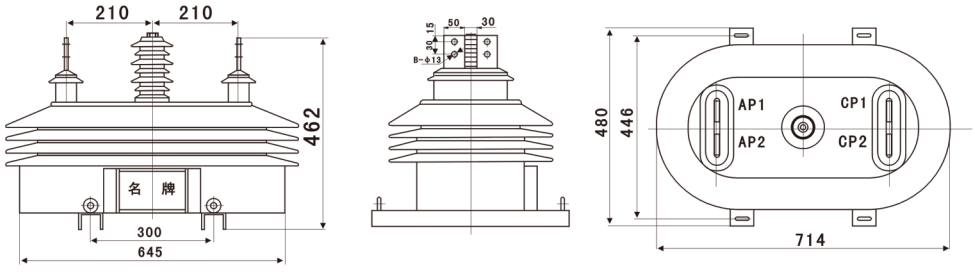
- W — Filthy grade
- □ — Rated voltage(kV)
- V — "V"connection mode
- Z — Cast-resin insulated
- S — Three-phase
- JL — Combined transformer

2. Specification

Type	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8				1s thermal current(kA)	Rated dynamic current(kA)	Weight (kg)
		0.2S	0.2	0.5S	0.5			
JLSZV-6W	5-15/5	10	10	10	15	120I In	300I In	126
	20-75/5					100I In	250I In	
	100-200/5					34	85	
	300-600/5					65	163	
JLSZV-10W	Rated transformation ratio(V)	Accuracy class and rated output COSØ=0.8				Thermal limiting output(VA)		
		0.2		0.5	1			
	6000/100	20		30	50	300		
	10000/100							

Note: any special requirements can be negotiated with us

3. Outline and Mounting Dimension



JLSZV-10(W)

JDZ12A-6,10R Type Voltage Transformer



1. Type and Meaning

J S Z 12A - □ R

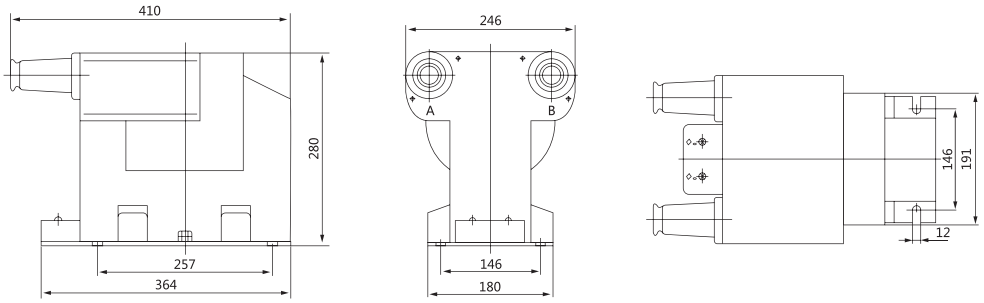
- R: With fuse
- □: Rated voltage(kV)
- 12A: Design No.
- Z: Cast-resin insulated
- S: Single-phase
- J: Current transformer

2. Specification

Type	Rated transformation ratio(V)		Accuracy class and rated output COSØ=0.8						Thermal limiting output(VA)	Rated insulation level(kV)
			0.2	0.5	1	3	0.2/0.2 0.2/0.5	0.5/0.5		
JDZ12A-6R	6000/100		30	80	150	240	/	/	500	7. 2/32/60
JDZ12A-10R	10000/100									12/24/75
	10000/100/100		/	/	/	/	25/25	60/60		
	10000/100/220	100	30	80	150	240	/	/	600	
		220	/	100	150	300	/	/	800	

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JSZV12A-3,6,10R Type Voltage Transformer



1. Type and Meaning

J S Z V 12A - □ R

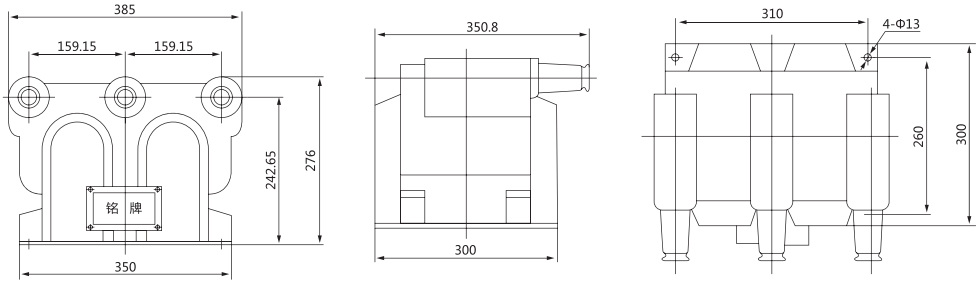
- R: With fuse
- □: Rated voltage(kV)
- 12A: Design No.
- V: "V"connection mode
- Z: Cast-resin insulated
- S: Three-phase
- J: Current transformer

2. Specification

Type	Rated transformation ratio(V)		Accuracy class and rated output COSØ=0.8					Thermal limiting output(VA)	Rated insulation level(kV)
			0.2	0.5	1	3	0.2/0.5		
JSZV12A-3R	3000/100/100		15	30	100	150	20/40	240	3.6/25/40
JSZV12A-6R	6000/100/100		15	30	100	150	20/40	240	7.2/32/60
JSZV12A-10R	10000/100/100		15	30	100	150	20/40	300	12/42/75
	10000/100/220	100	15	30	100	150	20/60	300	
		220	/	80	150	240		500	

Note: any special requirements can be negotiated with us.

3. Outline and Mounting Dimension



JSZV12-10R

ANDELI

Digital Clamp Meter



MT88



KT55



FQA900



MT87



MT89



VC3266L



DT303



DM6266



2017



MT7015



KT202B



DT266



DT9250



DT9258FC+



GT201



MT361



KT-3288



UA200



UA3268A



DT2800

ANDELI

Digital Multi Meter



EM3213



MT6130



DT9205A+



MT8891



JT8500



MT666



MT77



A9988



DT9205(1)



DT9205(2)



DY2101



DYXB886



DT830B



M3800



KT33B



DT9910

Digital Insulation Resistance Tester



DT2234A+



DT2235B+



DT2236B

Digital Multi Meter



DY5103A



DY30-2



DY30-1

Digital Thermo Meter



TM-902C



DM6801A

Analogue Clamp Meter



MG27B



MG28

Analogue Multi Meter



YX360TRN



8801

Earth Resistance Tester



DY4102



ZC29B



MTN40



FY54



HTC-1



TS80



DY4100



LX1010B



DY207C



MD812



8030



CA310

Resistance tester



ZC11D-10



ZC7



ZC8



1010T

ANDELI

AM96

Temperature Controller



REX-C100



REX-C700



TDK 0302



AM72-4BIC
(PO-010)



AM72-8001
(PO-019)



AM96-92001
(IN-050)



CD701



CH402



AM72-2211
(IN-037)



AM72-2001
(IN-038)



AM72-93301
(IN-039)



AM72-92001
(IN-040)



AM4896-93301
(IN-042)



AM4896-90001
(IN-052)



AM48-93301
(IN-049)



E5C4



AM-800
(IN-053)



AM4896-3301
(PO-08)



AM48-4001
(PO-024)



AM-TDA
(PO-026)



AM-TDB
(PO-027)

Temperature Controller



TC-1
(PO-03)



TC-2
(PO-04)



TC-3
(PO-05)



JTC-902
(PO-06)



JTC-903
(PO-07)



JTC-905



SC-3
(PO-28)



AM96-3301
(PO-013)



AM96-8301
(PO-014)



AM96-2301
(PO-016)



AM96-2001
(PO-017)



AM96-4001
(PO-018)



XMTD-2001



AM96-93301
(IN-028)



AM96-2211
(IN-030)



AM96-2001
(IN-031)

Thermocouple and Thermal Resistance



NO: 05
NO fixed device style



NO: 06
NO fixed device style



NO: 07
Movable flange style



NO: 08
Fixed thread style



NO: 09
Fixed flange style



NO: 10
Fixed thread
protective tube style



NO: 11



NO: 13

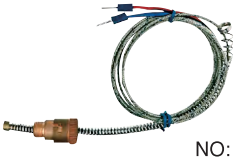


NO: 15





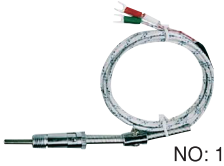
NO: 17 NO: 18



NO: 12



NO: 14



NO: 16

ANDELI

HG140

PTC Heater 15-150W HG140



Compact heater in PTC technology
Maintains minimum operating temperatures in enclosures
Helps to prevent failure of electronic components caused by condensation and corrosion
Heating power adjusts to ambient temperature
Push connectors for quick and easy wiring
DIN rail mountable
CE

Technical Data HG140

Operating voltage	AC/DC 110-250V(also available in 12-48VDC)
Heating element	PTC resistor, self-regulating
Heating body	Anodized extruded aluminum
Protection class	I, test voltage 1600V
Protection type	IP20
Connection	Push-type terminals for stranded and solid wire 3 x AWG 20-16 (0.5-1.5mm²)
Mounting	Coli for 35mm DIN rail(EN 50022)

Part.No.	Power[1)]	Max.Current[2)]	L	Weight
14000.0-00	15W	1.5A	2.6"/65mm	0.56 lbs(0.3kg)
14001.0-00	30W	3.0A	2.6"/65mm	0.66 lbs(0.3kg)
14003.0-00	45W	3.5A	2.6"/65mm	0.66 lbs(0.3kg)
14005.0-00	60W	2.5A	5.5"/140mm	1.10 lbs(0.5kg)
14006.0-00	75W	4.0A	5.5"/140mm	1.10 lbs(0.5kg)
14007.0-00	100W	4.5A	5.5"/140mm	1.10 lbs(0.5kg)
14008.0-00	150W	9.0A	8.7"/220mm	1.76 lbs(0.8kg)

[1)] at 68˚F(20˚C) ambient temperature [2)]Inrush current

Applications

Electrical & Electronic enclosures
Telecommunications systems
Display panels
Automatic teller machines(ATM'S)
Access & Parking control systems
Ticket dispensers

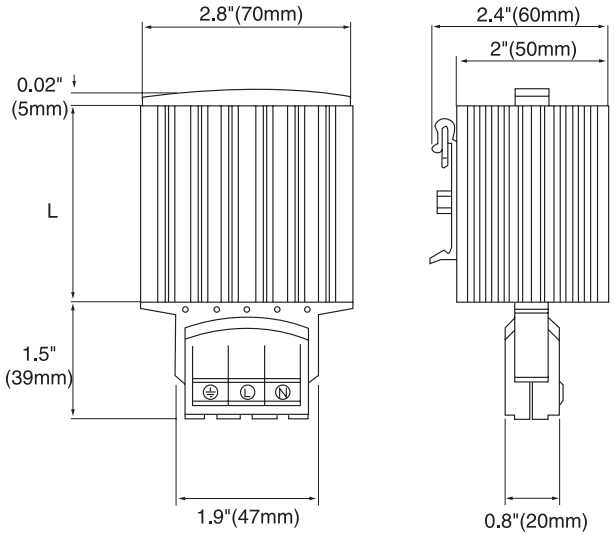
Determining the required heater size

$$P_H=(A \times \triangle T \times K)-P_V$$

P_H =Required heating power for your application in Watts(W)
P_V =Heating power generated by existing components(e.g.a transformer)in Watts(W)
A =Exposed enclosure surface area in square meters(m^2)
△T =Temperature differential between the desired minimum interior temperature and the Lowest possible external temperature of the enclosure in Kelvin(K), 1.8˚F=1˚C=1K
K= Heat transmission coefficient of the enclosure material used:

- Painted steel: 5.5W/m^2K
- Stainless steel: 3.7W/m^2K
- Aluminum: 1.2W/m^2K
- Polyester/Plastc: 3.5W/m^2K

For outdoor appllcations it is recommended to double the heating power



Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

ANDELI

HGK047



Small PTC Heater

Compact heater in PTC technology
Maintains minimum operating temperatures in enclosures
Helps to prevent failure of electronic components caused by condensation and corrosion
Heating power adjusts to ambient temperature
DIN rail mountable
CE

Technical Data HGK047

Voltage/heating power	See table
Heating element	PTC resistor, self regulating
Heat sink	Anodized extruded aluminum
Protection class	1(grounded)
Protection type	IP54
Connection	3xAWG30(0.5mm^2),12"(300mm)length
Mounting	Clip for 35mm DIN rail (EN50022)

Part.No.	Voltage	Power[1)]	Max.Amps[2)]	Length	VDE	UL
04700.0-00	140-250 VAC	10W	1.0A	2.0"(50mm)	●	
04701.0-00	140-250 VAC	20W	2.5A	2.4"(60mm)	●	
04702.0-00	140-250 VAC	30W	3.0A	2.8"(70mm)	●	
04700.9-00	110-120 VAC	10W	1.0A	2.0"(50mm)		●
04701.9-00	110-120 VAC	20W	1.5A	2.8"(70mm)		●
047029-00	110-120 VAC	30W	1.5A	4.0"(100mm)		●

[1)] at 68˚F(20˚C) ambient temperature. [2)]Inrush

Applications

Electrical & Electronic enclosures
Telecommunications systems
Display panels
Personnel booths
Automatic teller machines(ATM'S)
Access & Parking control systems
Ticket dispensers

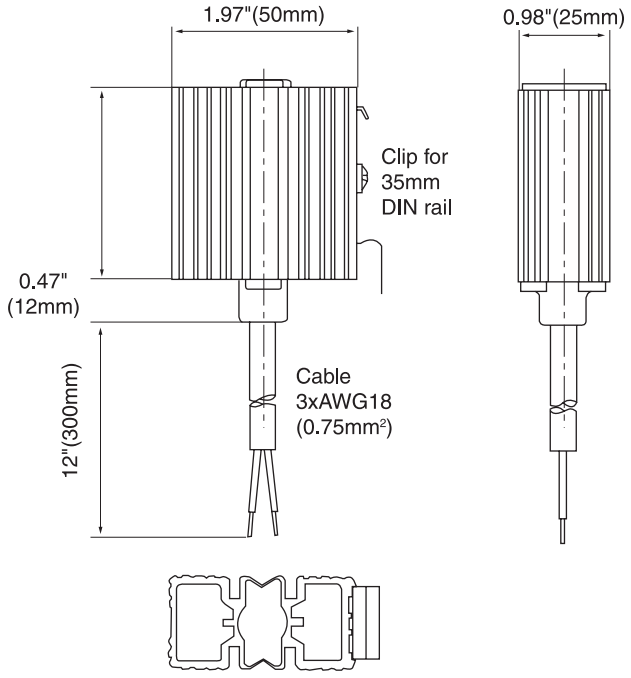
Determining the required heater size

$$P_H=(A \times \triangle T \times K)-P_V$$

P_H =Required heating power for your application in Watts(W)
P_V =Heating power generated by existing components(e.g.a transformer)in Watts(W)
A =Exposed enclosure surface area in square meters(m^2)
△T =Temperature differential between the desired minimum interior temperature and the Lowest possible external temperature of the enclosure in Kelvin(K), 1.8˚F=1˚C=1K
K= Heat transmission coefficient of the enclosure material used:

Painted steel: 5.5W/m^{2}K
Stainless steel: 3.7W/m^{2}K
Aluminum: 1.2W/m^{2}K
Polyester/Plastic: 3.5W/m^{2}K

For outdoor applications it is recommended to double the heating power



Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.

ANDELI

KT011

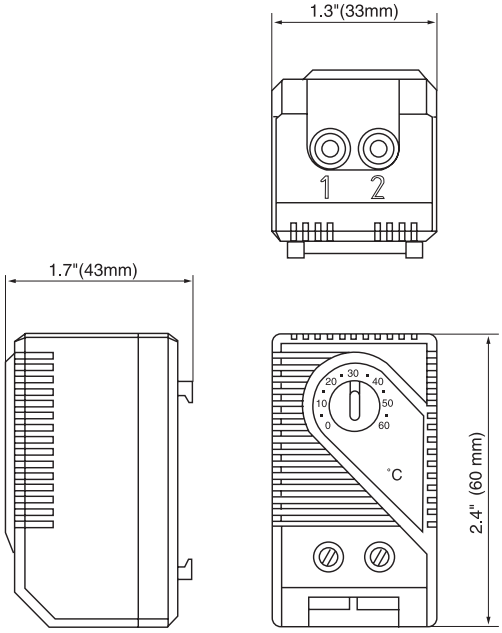


Small Thermostat KT011

Compact design
Wide adjustment range
Available with ˚F or ˚C scale
Color coded temperature dials
DIN rail mountable

Thermostat “NC” (normally closed):
Thermostat opens at temperature rise.
Comes with a red temperature dial.

Thermostat “NO” (normally open):
Thermostat closes at temperature rise.
Comes with a blue temperature dial.

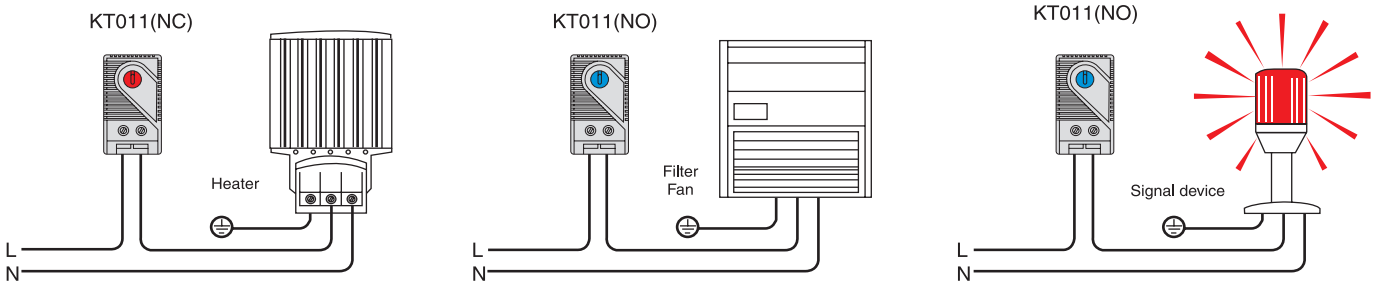


Technical Data KT011

Part.No.	Contact type	Scale on housing
01140.9-00	normally closed —o—o—	30-140˚F
01141.9-00	normally open —o/ o—	30-140˚F
01146.9-00	normally closed —o—o—	0-60˚C
01147.9-00	normally open —o/ o—	0-60˚C

Sensor element:	Thermostatic bi-metal
Maximum tolerance:	± 7.2˚F(4K)
Switching difference(hysteresis):	12.6˚F ± 5.4˚F(7˚C ± 3K)
Service life:	100.000 cycles
Switching capacity(max.load):	15A resistive/2A inductive @ 120 VAC
	10A resistive/2A inductive @ 250 VAC
	DC 30W

EM/EMC compliance:	EN55014-1-2,EN16000-3-2,EN61000-3-3
Connections:	2-pole terminal for AWG 14 max.(2.5mm²)
Mounting:	Clip for 35mm DIN rail(EN50022)
Dimensions(H x W x D):	2.4 x 1.3 x 1.7”(60 x 33 x 43mm)
Housing material	Plastic
Protection type:	IP20
Operating temperature:	-4 to 176˚F(-20 to 80˚C)



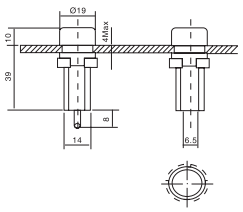
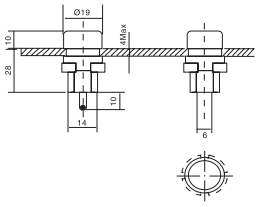
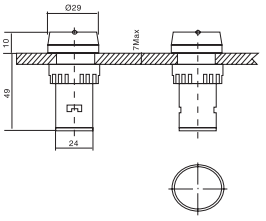
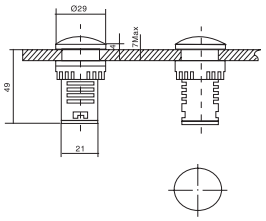
Wiring examples

Indication Lamp & Pushbutton Switch
Warning Light & Siren

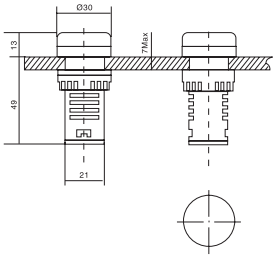
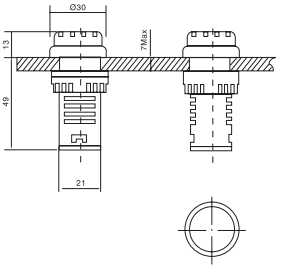
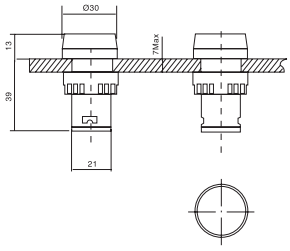
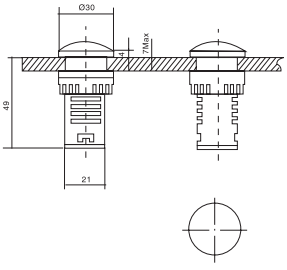
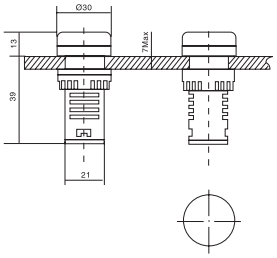


Indication Lamp 50
LED Bulb 53
Indicator 54
Pushbutton Switch 56
Indicators 68
Motive Switch 69
Limit Switch 70
Micro Switch 73
Toggle Switch 74
Foot Switch 75
LW26 Series Rotary Switches 76
LW26GS Series Park-lock Type Switches 78
LW30 Series Rotary Switches 79
Float Switch 80
Sensor 81
Warning Light 84
Bell 93

Indication Lamp

	Type	Voltage	Colour	Diagram
	AD16-16D	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
	AD16-16D/S	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
	AD16-22B	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
	AD16-22C	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	

Indication Lamp

Type	Voltage	Colour	Diagram
 AD22-22D	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
 AD22-22E	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
 AD22-22BS	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
 AD22-22CS	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
 AD22-22DS	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	

Indication Lamp



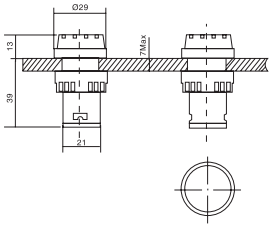
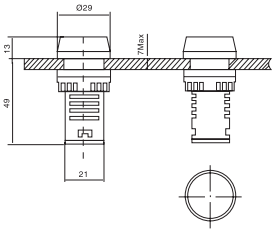
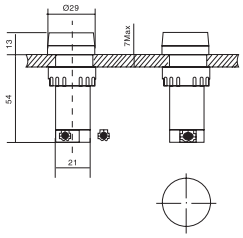
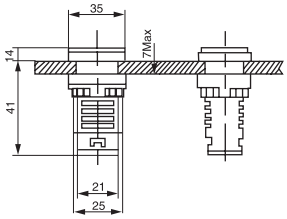


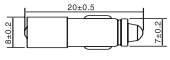
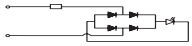








Type	Voltage	Colour	Diagram
AD22-22ES	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V AC 110V AC 220V AC 380V	Red Pure green Yellow Pure blue Pure white	
AD22-22M/R	AC/DC 24V AC/DC 48V AC/DC 110V AC 200V	Red (Flash)	
AD22-22M/K	AC/DC 24V AC/DC 48V AC/DC 110V AC 220V	Black	The buzzer's voice interrupted flash light volume is 10cm/80Decibel,electric current is 15~20mA
AD22-22 Double-color	AC/DC 24V AC/DC 48V AC/DC 110V AC 220V	Red-Green Red-Yellow Red-Blue	
AD22-30DS Dia=30mm	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 48V AC/DC 110V AC/DC 220V	Red Pure green Yellow Pure blue Pure white	

Type	Voltage	Colour	Shape drawing	Diagram
BA7S	AC/DC 6V AC/DC 12V AC/DC 24V	Red Green Yellow White Blue		

LED Bulb

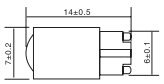
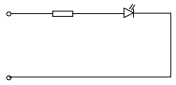
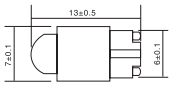
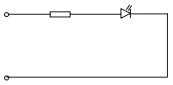
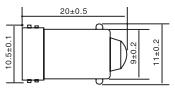
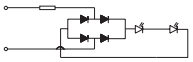
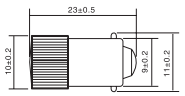
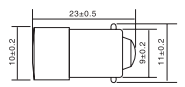
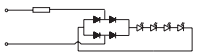
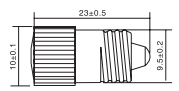
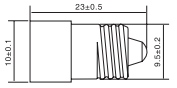
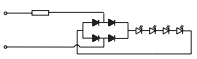










Type	Voltage	Colour	Shape drawing	Diagram
High brightness pure colour ø7	AC/DC 6V AC/DC 12V AC/DC 24V	Red Green Yellow White Blue		
High brightness pure colour ø7	AC/DC 6V AC/DC 12V AC/DC 24V	Red Green Yellow White Blue		
B9AS/S	AC/DC 6V AC/DC 12V AC/DC 24V	Red Green Yellow White Blue		
B9AS	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V	Red Green Yellow White Blue	 	
E10	AC/DC 6V AC/DC 12V AC/DC 24V AC/DC 110V AC/DC 220V	Red Green Yellow White Blue	 	

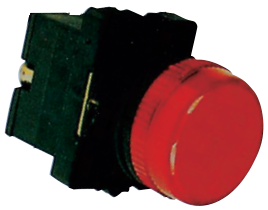
Indicator



XB2-EV164



XB2-EV444



XB2-EV64

Signal units ø22 Ip40

Description	Scheme	Supply voltage	Color	Reference
Direct supply (1)				
For using with incandescent bulb (included) BA 9s base fitting	X1 X2	130V 50/60Hz	Green	XB2-EV133
			Red	XB2-EV134
			Yellow	XB2-EV135
			Blue	XB2-EV136
For using with incandescent bulb (included) BA 9s base fitting	X1 X2	≤250V 50/60Hz	White	XB2-EV161
			Green	XB2-EV163
			Red	XB2-EV164
			Yellow	XB2-EV165
			Blue	XB2-EV166
			Clear	XB2-EV167
For using with incandescent bulb (included) E10/13 base fitting	X1 X2	≤250V 50/60Hz	White	XB2-EV661
			Green	XB2-EV663
			Red	XB2-EV664
			Yellow	XB2-EV665
			Blue	XB2-EV666
			Clear	XB2-EV667
(1) Bulb types for using with direct supply: incandescent bulb U ⩽ 250V, max.power 3W, max.diameter length 28 mm.				
For using with neon bulb (included) BA 9s base fitting	X1 X2	240V~50/60Hz 220/240V bulb 400V~50/60Hz 380/415V bulb	Green	XB2-EV443
			Red	XB2-EV444
			Yellow	XB2-EV445
			Blue	XB2-EV446
			Clear	XB2-EV447
		230V~50/60Hz 130V bulb	Green	XB2-EV453
			Red	XB2-EV454
			Yellow	XB2-EV455
			Blue	XB2-EV456
			Clear	XB2-EV457
Supply direct through resistor				
For using with incandescent bulb (included) BA 9s base fitting	X1 X2		White	XB2-EV171
			Green	XB2-EV173
			Red	XB2-EV174
			Yellow	XB2-EV175
			Blue	XB2-EV176
			Clear	XB2-EV177
BA 9s 6.3V/24V bulb supplied	Via integral transformer 1.2VA	220V~240V/6.3V 50/60Hz	Green	XB2-EV1853
			Red	XB2-EV1854
			Yellow	XB2-EV1855
			Blue	XB2-EV1856
BA 9s 6.3V/24V bulb supplied	Via integral transformer 1.2VA	220V~240V/6.3V 50/60Hz	Green	XB2-EV1873
			Red	XB2-EV1874
			Yellow	XB2-EV1875
			Blue	XB2-EV1876
Direct BA 9s	X1 X2	≤380V	White	XB2-EV61
			Green	XB2-EV63
			Red	XB2-EV64
			Yellow	XB2-EV65
			Blue	XB2-EV66
BA 9s, 130V Direct through resistor BA 9s,130V bulb supplied	X1 X2	220V 250V	White	XB2-EV71
			Green	XB2-EV73
			Red	XB2-EV74
			Yellow	XB2-EV75
			Blue	XB2-EV76

Indicator



XB2-EA142



XB2-EA135



XB2-EA42



XB2-EC42



XB2-ES542



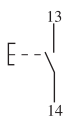
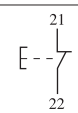
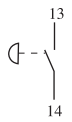
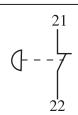
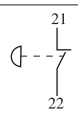
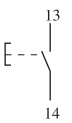
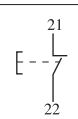
XB2-EA3341



XB2-EA4322

Circular head

Complete units with screw and captive cable clamp connections

Pushbuttons, spring return				
Description	Contact Type	Scheme	Color	Reference
Pushbutton spring return	N/O		Black	XB2-EA121
			Green	XB2-EA131
	N/C		Red	XB2-EA142
	N/C+N/O		Black	XB2-EA125
			Green	XB2-EA135
			Red	XB2-EA145
Pushbutton latching	N/C		Black	XB2-EH121
			Green	XB2-EH131
	N/C+N/O		Black	XB2-EH125
			Green	XB2-EH135
Flush	N/O		Black	XB2-EA21
			Green	XB2-EA31
			Yellow	XB2-EA51
			Blue	XB2-EA61
	N/C		Red	XB2-EA42
Mushroom head ø40mm	N/O		Black	XB2-EC21
			Green	XB2-EC31
			Yellow	XB2-EC51
			Blue	XB2-EC61
	N/C		Red	XB2-EC42
Mushroom head	N/C		ø30	XB2-ES442
			ø40	XB2-ES542
			ø60	XB2-ES642
Flush	N/O		Green	XB2-EA3311
			White ↑ or →	XB2-EA3341
			Black ↓ or →	XB2-EA3351
	N/C		Red O	XB2-EA4322
			Red stop	XB2-EA4342

Pushbutton Switch



XB2-ED21



XB2-EJ33



XB2-EG33



ZB2-BE102



ZB2-BE101



ZB2-BE102



ZB2-BE101

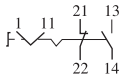
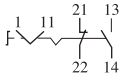
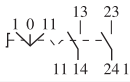
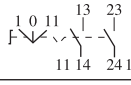


ZB2-BZ102

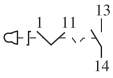
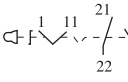
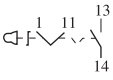
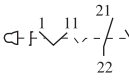
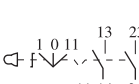
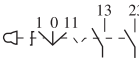


ZB2-BZ101

Selector switches

Description	Contact/Type	Scheme	Operator	Reference
2 Position stay put	N/O		Standard handle	XB2-ED21
			Long handle	XB2-EJ21
	N/O+N/C		Standard handle	XB2-ED25
			Long handle	XB2-EJ25
2 Position 1 spring return from right to left	N/O		Standard handle	XB2-ED41
			Long handle	XB2-EJ41
	N/O+N/C		Standard handle	XB2-ED45
			Long handle	XB2-EJ45
3 Position stay put	N/O+N/O		Standard handle	XB2-ED33
			Long handle	XB2-EJ33
3 Position 2 spring return to centre	N/O+N/O		Standard handle	XB2-ED53
			Long handle	XB2-EJ53

Key switches(key n° 455)

Description	Contact/Type	Scheme	Key removal	Reference
2 Position stay put	N/O		LH position	XB2-EG21
			LH and RH position	XB2-EG41
	N/C+N/O		LH position	XB2-EG25
			LH and RH position	XB2-EG45
2 Position 1 spring return from right to left	N/O		LH position	XB2-EG61
	N/O+N/O		LH position	XB2-EG5
3 Position stay put	N/O+N/O		Centre position	XB2-EG33
			LH and RH position	XB2-EG53
			All 3 position	XB2-EG03
3 Position 2 spring return to centre position	N/O+N/O		Centre position	XB2-EG73

Additional/replacement contact block, screw and captive cable

For making up body assembles with 3,4, 5 or maximum of 6 contact blocks or replacing 1st or and contact	N/O	Clamp connection		ZB2-BE101
	N/C			ZB2-BE102
	N/O			ZB2-BZ101
	N/C			ZB2-BZ102
	N/O+N/O			ZB2-BZ103
	N/C+N/C			ZB2-BZ104
	N/O+N/C			ZB2-BZ105

Pushbutton Switch



XB2-BV63



XB2-BV65



XB2-BV74



XB2-BV44



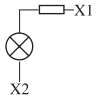
XB2-BW3361



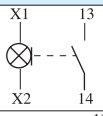
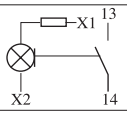
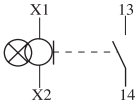
XB2-BW3471

Circular head, screw and captive cable clamp connections Complete units

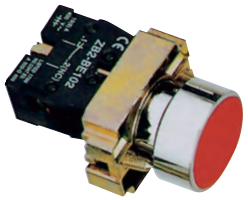
Signal units ø22

Description	Scheme	Supply/voltage	Color	Reference
Direct bulb included		≤380V	Green	XB2-BV63
			Red	XB2-BV64
			Yellow	XB2-BV65
Via integral resistor BA 9s, 130V bulb supplied		220V 250V	Green	XB2-BV73
			Red	XB2-BV74
			Yellow	XB2-BV75
Via integral transformer 1.2VA BA 9s, 6V bulb supplied		110V/50Hz 110-120V/60Hz	Green	XB2-BV33
			Red	XB2-BV34
			Yellow	XB2-BV35
		220V/50Hz	Green	XB2-BV43
			Red	XB2-BV44
			Yellow	XB2-BV45
		240V/50Hz	Green	XB2-BV943
			Red	XB2-BV944
			Yellow	XB2-BV945
		380V/50Hz	Green	XB2-BV53
			Red	XB2-BV54
			Yellow	XB2-BV55
		415V/50Hz	Green	XB2-BV933
			Red	XB2-BV934
			Yellow	XB2-BV935

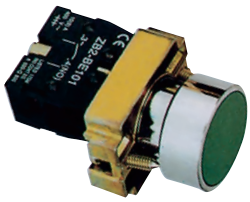
Illuminated flush pushbuttons with 1N/O contact

Supply	Scheme	Supply/voltage	Color	Reference
Direct bulb supplied		≤380V	Green	XB2-BW3361
			Red	XB2-BW3461
			Yellow	XB2-BW3561
Direct through resistor BA 9s, 130V bulb supplied		220V 250V	Green	XB2-BW3371
			Red	XB2-BW3471
			Yellow	XB2-BW3571
Via integral transformer 12.VA BA 9s, 6V bulb supplied		110V/50Hz 110-120V/60Hz	Green	XB2-BW3331
			Red	XB2-BW3431
			Yellow	XB2-BW3531
		220V/50Hz	Green	XB2-BW3341
			Red	XB2-BW3441
			Yellow	XB2-BW3541
		240V/50Hz	Green	XB2-BW33941
			Red	XB2-BW34941
			Yellow	XB2-BW35941
		380V/50Hz	Green	XB2-BW3351
			Red	XB2-BW3451
			Yellow	XB2-BW3551
		415V/50Hz	Green	XB2-BW33931
			Red	XB2-BW34931
			Yellow	XB2-BW35931

Pushbutton Switch



XB2-BA42



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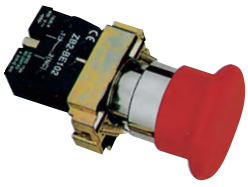
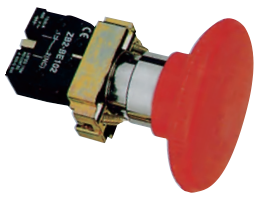


XB2-BC42



XB2-BR42



XB2-BA3341

Circular head, with chromium plated metal bezel

Complete units with screw and captive cable clamp connections

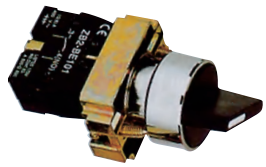
Pushbuttons, spring return

Description	Contact/type	Scheme	Color	Reference
Flush	N/O	13 14	Black	XB2-BA21
			Green	XB2-BA31
			Yellow	XB2-BA51
			Blue	XB2-BA61
	N/C	21 22	Red	XB2-BA42
Projecting	N/O	13 14	Black	XB2-BL21
			Green	XB2-BL31
			Yellow	XB2-BL51
			Blue	XB2-BL61
	N/C	21 22	Red	XB2-BL42
Booted	N/O	13 14	Black	XB2-BP21
			Green	XB2-BP31
			Yellow	XB2-BP51
			Blue	XB2-BP61
	N/C	21 22	Red	XB2-BP42
Mushroom head 40mm	N/O	13 14	Black	XB2-BC21
			Green	XB2-BC31
			Yellow	XB2-BC51
			Blue	XB2-BC61
	N/C	21 22	Red	XB2-BC42
Mushroom head 60mm	N/O	13 14	Black	XB2-BR21
			Green	XB2-BR31
			Yellow	XB2-BR51
			Blue	XB2-BR61
	N/C	21 22	Red	XB2-BR42

Pushbuttons, spring return

Description	Contact/type	Scheme	Color	Reference
Flush	N/O	13 14	Green	XB2-BA3311
			White ↑ or →	XB2-BA3341
			Black ↓ or ⇨	XB2-BA3351
	N/C	21 22	Red o	XB2-BA4222
			Red stop	XB2-BA4342
Projecting	N/C	21 22	Red o	XB2-BA4322
			Red stop	XB2-BA4342

Pushbutton Switch



XB2-BD21



XB2-BD33



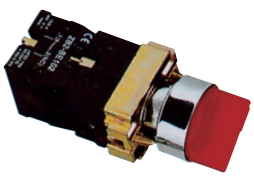
XB2-BJ21



XB2-BJ33



XB2-BG21

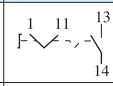
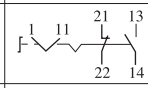
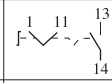
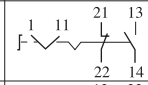
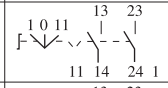
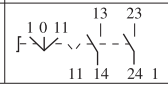


XB2-BK2465

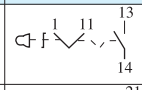
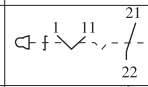
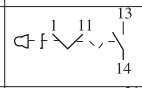
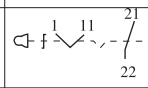
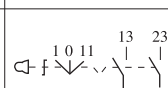
Circular head, with chromium plated metal bezel

Complete units with screw and captive cable clamp connections

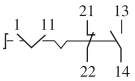
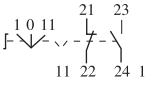
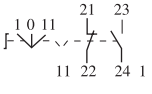
Selector switches

Description	Contact/type	Scheme	Operator	Reference
2 Position stay put	N/O		Standard handle	XB2-BD21
			Long handle	XB2-BJ21
	N/C+N/O		Standard handle	XB2-BD25
			Long handle	XB2-BJ25
2 Position 1 spring return from right to left	N/O		Standard handle	XB2-BD41
			Long handle	XB2-BJ41
	N/C+N/O		Standard handle	XB2-BD45
			Long handle	XB2-BJ45
3 Position stay put	N/O+N/O		Standard handle	XB2-BD33
			Long handle	XB2-BJ33
3 Position 2 spring return to centre	N/O+N/O		Standard handle	XB2-BD53
			Long handle	XB2-BJ53

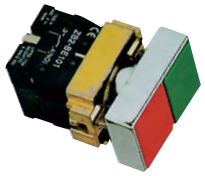
Key switches(key n° 445)

Description	Contact/type	Scheme	Key removal	Reference
2 Position stay put	N/O		LH Position	XB2-BG21
			LH and RH Positiom	XB2-BG41
	N/C+N/O		LH Position	XB2-BG25
			LH and RH Positiom	XB2-BG45
2 Position 1 spring return from right to left	N/O		LH Position	XB2-BG61
	N/C+N/O		LH Position	XB2-BG65
3 Position stay put	N/O+N/O		Centre Position	XB2-BG33
			LH and RH Positiom	XB2-BG53
			All 3 Position	XB2-BG03

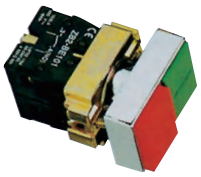
Selector switches

Description	Contact/type	Scheme	Reference
2 Position stay put	N/C+N/O		XB2-BK2365
			XB2-BK2465
			XB2-BK2565
			XB2-BK2665
			XB2-BK2765
	N/C+N/O		XB2-BK3365
			XB2-BK3465
			XB2-BK3565
			XB2-BK3665
			XB2-BK3765
	N/C+N/O		XB2-BK5365
			XB2-BK5465
			XB2-BK5565
			XB2-BK5665
			XB2-BK5765

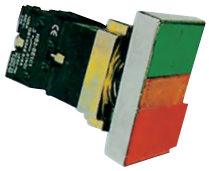
Pushbutton Switch



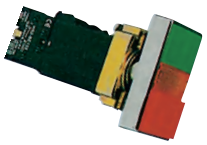
XB2-BL8325



XB2-BL8425



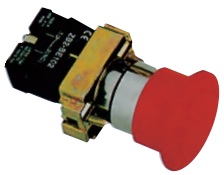
XB2-BW8465



XB2-BW8445



XB2-BT42



XB2-BS542

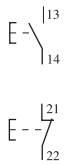
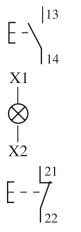
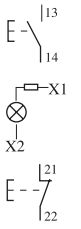
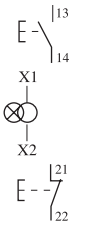


XB2-BS142

With chromium plated metal bezel

Complete units with screw and captive cable clamp connections

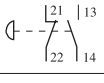
Double-headed pushbuttons, spring return

Description	Contact/type	Scheme	Scheme	Degree. of protection	Reference
Without pilot light 1 flush green pushbutton 1 projecting red pushbutton	N/O + N/C		Unmarked	IP40	XB2-BL8325
				IP65	XB2-BL9325
			I O	IP40	XB2-BL8425
				IP65	XB2-BL9425
With pilot light 1 flush green pushbutton 1 pilot light with yellow lens Direct supply°‹380V 1 projecting red pushbutton	N/O + N/C		Unmarked	IP40	XB2-BW8365
			I O	IP40	XB2-BW8465
1 flush green pushbutton 1 pilot light with yellow lens 220/250V supply direct through resistor BA 9s, 130V buld included 1 projecting red pushbutton	N/O + N/C		Unmarked	IP40	XB2-BW8375
			I O	IP40	XB2-BW8475
1 flush green pushbutton 1 pilot light with yellow lens 1.2VA-220V direct supply via integral transformer BA 9s 6V, bulb included 1 projecting red pushbutton	N/O + N/C		Unmarked	IP40	XB2-BW8345
			I O	IP40	XB2-BW8445

Latching mushroom head “emergency stop” pushbutton

Description	Contact/type	Scheme		Reference
Push-pull Red	N/C		ø40	XB2-BT42
			ø60	XB2-BX42
Turn to release Red			ø30	XB2-BS442
			ø40	XB2-BS542
			ø60	XB2-BS642
Rey release(key n° 445) Red			ø30	XB2-BS742
			ø40	XB2-BS142
			ø60	XB2-BS242

Latching mushroom head pushbutton with “Trigger action”

Turn to release Red release(Key n° 445) Red	N/O + N/C		ø40	XB2-BS8445
				XB2-BS9445

Pushbutton Switch











Type	Contact type	Colour	Voltage	Slack
XB4-BA21 XB4-BA31 XB4-BA42 XB4-BA51 XB4-BA61 XB4-BA25 XB4-BA35 XB4-BA45	NO NO NC NO NO NO+NC NO+NC NO+NC	B G R Y BL B G R		Flush
XB4-BC21 XB4-BC31 XB4-BC42 XB4-BC51 XB4-BR21 XB4-BR31 XB4-BR42 XB4-BR51	NO NO NC NO NO NO NC NO	B G R Y BL B G R		Spring return BC type ø40 BR type ø60
XB4-BS442 XB4-BS542 XB4-BS642	NC NC NC	R		Turn to release ø30 ø40 ø60
XB4-BD21 XB4-BD25 XB4-BD33 XB4-BD41 XB4-BD45 XB4-BD53	NO NO+NC NO+NO NO NO+NC NO+NO			2-position locked 2-position locked 3-position locked 2-position reset 2-position reset 3-position reset
XB4-BJ21 XB4-BJ25 XB4-BJ33 XB4-BJ41 XB4-BJ45 XB4-BJ53	NO NO+NC NO+NO NO NO+NC NO+NO			2-position locked 2-position locked 3- position locked 2-position reset 2-position reset 3-position reset

Pushbutton Switch



Type	Contact type	Colour	Voltage	Slack
XB4-BG21 XB4-BG25 XB4-BG33 XB4-BG41 XB4-BG61 XB4-BG53	NO NO+NC NO+NO NO+NO NO NO NO+NO			2-position locked 2-position locked 3-position locked 3-position locked 2-position reset 2-position reset 3-position reset



XB4-BT21 XB4-BT42 XB4-BT845	NO NC NO+NC	B R R		ø40



XB4-BL21 XB4-BL31 XB4-BL42 XB4-BL51 XB4-BL61	NO NO NC NO NO	B G R Y BL		Protruding button

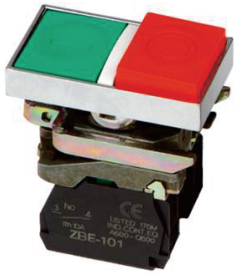


XB4-BW3 □ B5 XB4-BW3 □ G5 XB4-BW3 □ M5	NO+NC	□ Ento-figure 3 G 4 R 5 Y 6 BL 7 T	24 ~48...120V ~230...240V	Illuminated BA9S Lamp socket LED BA9S bulb and neno lamp



XB4-BW3365 XB4-BW3465 XB4-BW3565 XB4-BW3665 XB4-BW3765	NO+NC	3 G 4 R 5 Y 6 BL 7 T	⩽ 250V	Illuminated BA9S Lamp socket LED BA9S bulb and neno lamp

Pushbutton Switch











Type	Contact type	Colour	Voltage	Slack
XB4-BL8325 XB4-BL8312 XB4-BL8425 XB4-BL8412	NO+NC	R+G W+B R+G W+B		Double end button Flush+Flush “0”+ “1” Projecting+Flush
XB4-BW8365 XB4-BW8465	NO+NC	R+G		Flush+Flush “0”+ “1” Projecting+Flush LED lamp socket LED
XB4-BP21 XB4-BP31 XB4-BP42 XB4-BP51 XB4-BP61	NO NO NC NO NO	B G R Y BL		Dergee of protection IP66
XB4-BS142	NC	R		ø40 ø60
XB4-BV63 XB4-BV64 XB4-BV65 XB4-BV66 XB4-BV67		G R Y BL T	≤250V	Lamp BA9S Lamp socket LED BA9S bulb and neno lamp

Pushbutton Switch









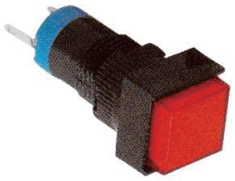


Type	Contact type	Colour	Voltage	Slack
XB4-BVB ☐ XB4-BVG ☐ XB4-BVM ☐		☐ Ento-figure 3 G 4 R 5 Y 6 BL 7 T	24V ~48...120V ~230...240V	BA9S lamp socket LED BA9S bulb and neno lamp
XB2-BK12 ☐ 3 2-position locked XB2-BK13 ☐ 3 3-position locked XB2-BK14 ☐ 3 2-position reset XB2-BK15 ☐ 3 3-position reset	NO+NO NO+NC	☐ Ento-fingure G R Y BL T	210V~220V	LED lamp socket LED
XB4-BA3311 XB4-BA3341 XB4-BA3351 XB4-BA4322	NO NO NO NC	G W B R	I O	Flush of marking on
XB4-BH02 XB4-BH03 XB4-BH04 XB4-BH05 XB4-BH06	NO+NC	B G R Y BL		Flush of self-locking
XB4-BL9312 XB4-BL9434	NO+NC	W+B R+G		Flush+Projecting Projecting+Flush Degree of protection IP66

Pushbutton Switch



Circular



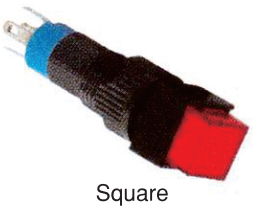
Square



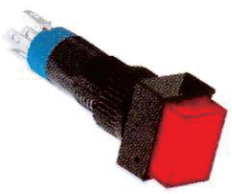
Rectangular



Circular



Square



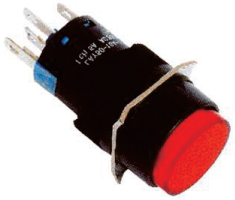
Rectangular

Push button with light, Push button, Pilot light(ø8、ø12)

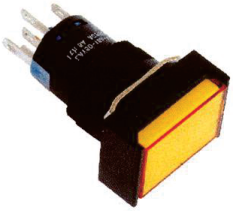
Function	Model	Contact structure	Color
Pilot light Self-reset Self-locking type	AY50-12AY-D AY50-12AY-▨/▧ AY50-12AY-▨T/▧ AY50-12AY-▨D/▧ AY50-12AY-▨TD/▧ AY50-12AF-D AY50-12AF-▨/▧ AY50-12AF-▨T/▧ AY50-12AF-▨D/▧ AY50-12AF-▨TD/▧ AY50-12AJ-D AY50-12AJ-▨/▧ AY50-12AJ-▨T/▧ AY50-12AJ-▨D/▧ AY50-12AJ-▨TD/▧	SPDT SPDT	Red Green Yellow Blue White
Pilot light Self-reset Self-locking type	AY50-8AY-D AY50-8AY-11/▧ AY50-8AY-11T/▧ AY50-8AY-11D/▧ AY50-8AY-11TD/▧ AY50-8AF-D AY50-8AF-11/▧ AY50-8AF-11T/▧ AY50-8AF-11D/▧ AY50-8AF-11TD/▧ AY50-8AJ-D AY50-8AJ-11/▧ AY50-8AJ-11T/▧ AY50-8AJ-11D/▧ AY50-8AJ-11TD/▧	SPDT SPDT	Red Green Yellow Blue White

Filling in normal open and close number is front of▨, color in back of▧.

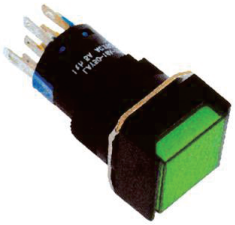
Pushbutton Switch



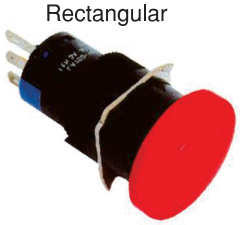
Circular



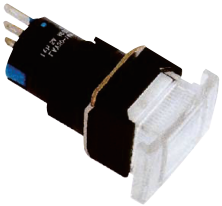
Square



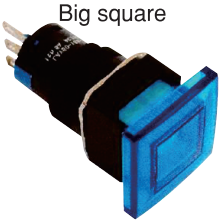
Rectangular



Mushroom push button



Big square



Big rectangular



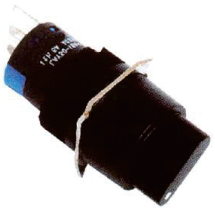
Emergency push button

Common push button, Push button with light, indicator light, Emergency push button

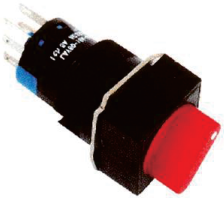
Function	Model	Voltage class	Color
Pilot light Instantaneous type	AY50-16AY-D AY50-16AF-D AY50-16AJ-D AY50-16AY-▨/▧ AY50-16AF-▨/▧ AY50-16AJ-▨/▧	LED AC/DC 6V 12V 24V NE 100V 220V	Red Green Yellow Blue White Black Transparent Note:black button cover is not used with light
Self-locking type	AY50-16AY-▨T/▧ AY50-16AF-▨T/▧ AY50-16AJ-▨T/▧		
Instantaneous type	AY50-16AM-▨/▧ AY50-16ADF-▨/▧ AY50-16ADJ-▨/▧	LED AC/DC 6V 12V 24V NE 100V 220V	Red Green Yellow Blue White Black Transparent Note:black button cover is not used with light
Self-locking type	AY50-16AM-▨T/▧ AY50-16ADF-▨T/▧ AY50-16ADJ-▨T/▧		
Press locking reset right on the	AY50-16AY-▨Z		Red Green

Filling in normal open and close number is front of▨, color in back of▧.

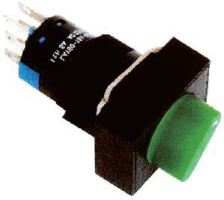
Pushbutton Switch



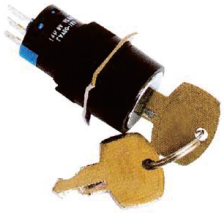
Circular



Square



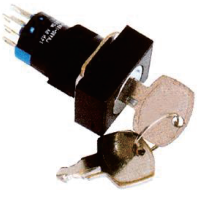
Rectangular



Circular



Square



Rectangular

Turn button, Key push button, Buzzer

Working state	Model	Color
90° 2 Position 45° 90° 3 Position 90° 2 Position 45° 90° 3 Position 90° 2 Position 45° 90° 3 Position	AY50-16AY-▨X/▧ AY50-16AF-▨X/▧ AY50-16AJ-▨X/▧ AY50-16AY-22XS/▧ AY50-16AF-22XS/▧ AY50-16AJ-22XS/▧	Red Green Blue

Working state	Model	Key removable position
90° 2 Position 45° 90° 3 Position 90° 2 Position 45° 90° 3 Position 90° 2 Position 45° 90° 3 Position	AY50-16AY-▨Y AY50-16AF-▨Y AY50-16AJ-▨Y AY50-16AY-22YS AY50-16AF-22YS AY50-16AJ-22YS	Key two-position, which can be taken out in two positions Key three-position has two types: 1. Key is takenout in middle 2. Key is all taken out in three positions

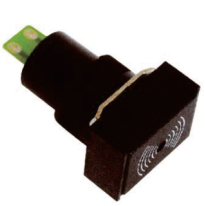
Filling in normal open and close number is front of▨, color in back of▧.



Circular



Square



Rectangular

Indicators



YL238-03



YL238-04



YL238-05



YL240-01



YL240-02



YL240-03



YL240-04



YL240-05



YL240-06



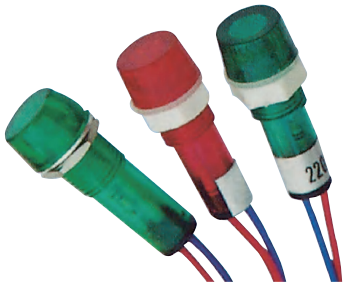
COB61 COB62 COB63 COB63A COB62A COB61A



HJ9-6 HJ9-4 HJ9-3 HJ9-1



YL235



YL240



YL244-01 YL244-02 YL244-03

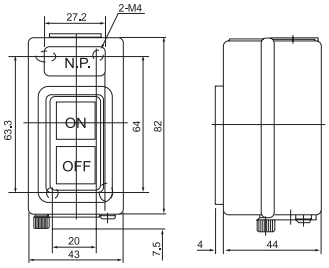


Motive Switch

1. External Appearance Size

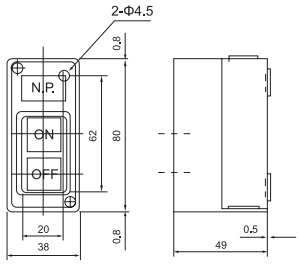
BSN-310





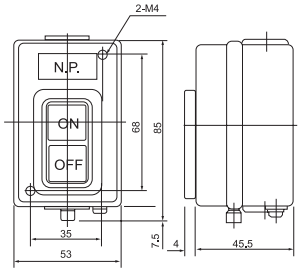
BSP-315





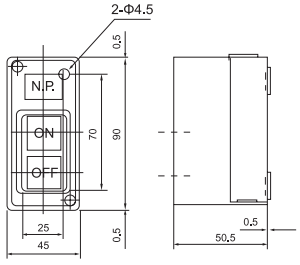
BSN-315





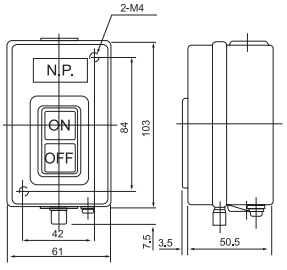
BSP-330





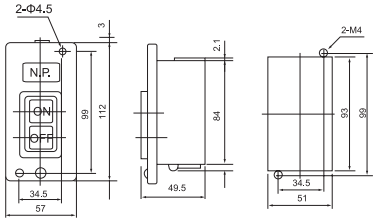
BSN-330





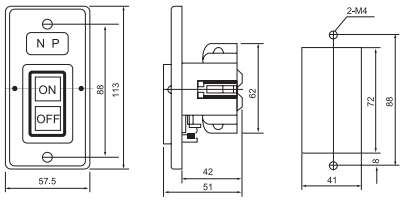
BSY-315,330





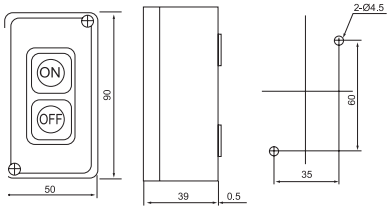
BSS-315,330





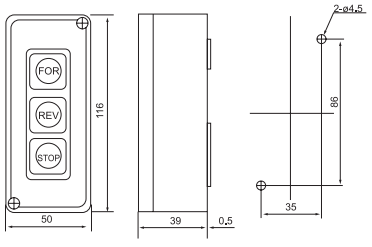
PB-2





PB-3



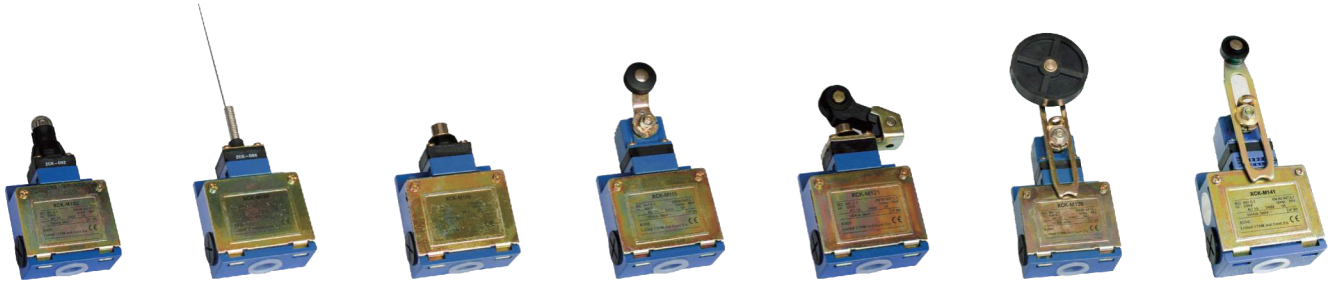


Limit Switch

1. Application

Limit switches are ideal electrical control switches in mechanical and other industries. They have features of complete specifications and varieties of types, compact structure, nice appearance, excellent performance, flexible and reliable action, easy installation, operation, maintenance and adjustment.

The switches are applicable to AC control circuits of 40 to 60Hz, with a voltage up to 500V or DC control circuits with a voltage up to 600V, and a current up to 10A to convert a mechanical signal into an electrical signal for the purpose of controlling mechanical movement or performing sequential control.



XCK-M102 XCK-M106 XCK-M110 XCK-M115 XCK-M121 XCK-M139 XCK-M141



XCK-P102 XCK-P106 XCK-P110 XCK-P118 XCK-P121 XCK-P127 XCK-P128 XCK-P139 XCK-P145 XCK-P155



XCK-T102 XCK-T106 XCK-T110 XCK-T118 XCK-T121 XCK-T127 XCK-T128 XCK-T145



XCK-T155 XCK-S101 XCK-S102 XCK-S121 XCK-S131 XCK-S141 XCK-S139

Limit Switch


XCK-J10511


XCK-J10531


XCK-J10541


XCK-J10559


XCK-J108


XCK-J121


XCK-J139


XCK-J161


XCK-J167


ME9101


ME8104


ME8107


ME8108


ME8111


ME8112


ME8122


ME8166


ME8169


MEA-9104


MEA-9107


MEA-9108


MEA-9111


MEA-9122


MEA-9124


MEA-9127


MEA-9128


MEA-9139


MEA-9161


MEA-9112


MEA-9166


MEA-9169


TZ-8104


TZ-8107


TZ-8108


TZ-8111


TZ-8112


TZ-8122


TZ-8166


TZ-8167


TZ-8169

WL-CA2

WL-CA2-2

WL-CA12

WL-CA12-2

WL-CA32-41

WL-CL

WL-D

Limit Switch


WL-D2


WL-NJ


WL-NJ-S2


HL-5000


HL-5030


HL-5050


HL-5100


HL-5200


HL-5300


3SE3 120-1B


3SE3 120-1C


3SE3 120-1D


3SE3 120-1E


3SE3 120-1G


3SE3 120-1R


3SE3 120-1T


3SE3 120-1U


3SE3 120-1W


3SE3 100-1B


3SE3 100-1D


3SE3 100-1E


3SE3 100-1F


3SE3 100-1G


3SE3 100-1R


3SE3 100-1T


3SE3 100-1U


3SE3 100-1W


LXK3-20H/B


LXK3-20H/D


LXK3-20H/H


LXK3-20H/J


LXK3-20H/L


LXK3-20S/B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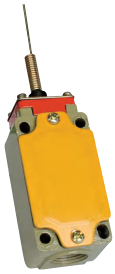
LXK3-20S/L


LXK3-20S/T


LXK3-20S/W


LXK3-20S/Z

Micro Switch

1. Application

General purpose micro switches are used in AC control circuits of 50/60Hz, with a voltage up to 380V and a rated control capacity of 100VA or in DC control circuits with a voltage up to 220V and a rated control capacity of 10W.



Z-15HW24-B



Z-15GD-B



Z-15GQ-B



Z-15GQ21-B



Z-15GQ22-B



Z-15GW-B



Z-15GW2-B



Z-15GW21-B



Z-15GW22-B


Z-15G-B



LXW5-11D



LXW5-11G1



LXW5-11G2



LXW5-11G3



LXW5-11M



LXW5-11N1



LXW5-11N2



LXW5-11Q1



LXW5-11Q2



LXW5-11Z



AZ-7100



AZ-7110



AZ-7120



AZ-7121



AZ-7124



AZ-7140



AZ-7141



AZ-7144



AZ-7166



AZ-7310

Micro Switch



V-15-1C25



V-151-1C25



V-152-1C25



V-153-1C25



V-154-1C25



V-155-1C25



V-156-1C25



MJ1-6101



MJ1-6102



MJ1-6102R



MJ1-6104



MJ1-6107



MJ1-6111



MJ1-6112



MJ1-6114



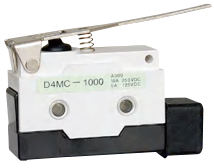
MJ1-6117



AZ-7311



AZ-7312



D4MC-1000



D4MC-1020



D4MC-2000



D4MC-2020



D4MC-3030



D4MC-5000



D4MC-5020

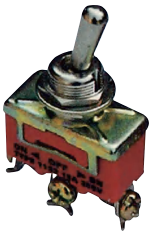


D4MC-5040

Toggle Switch



ON-OFF 1021



ON-OFF-ON 1122



ON-ON 1121



ON-OFF 1401



ON-ON 1402

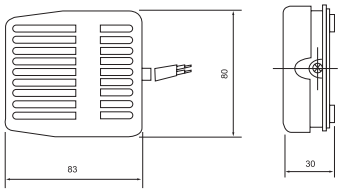


ON-OFF-ON 1403

Foot Switch

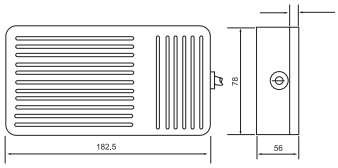
FS-201 202





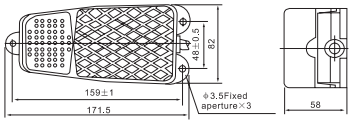
FS-01



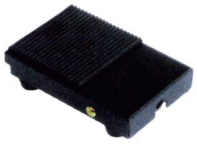


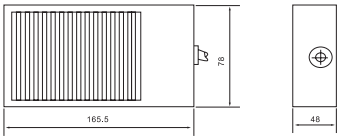
FS-101 102 105





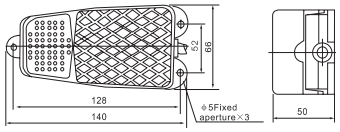
FS-1





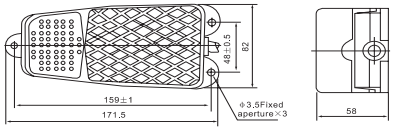
FS-2





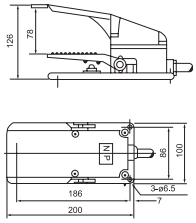
FS-3 3S



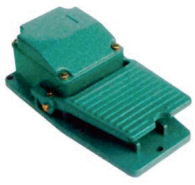


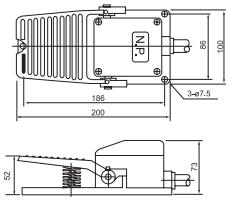
FS-302





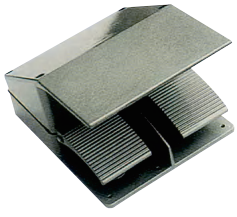
FS-402



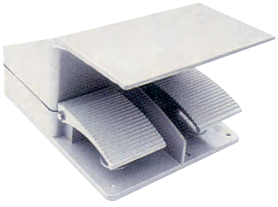




SFMS-10



SFMS-15



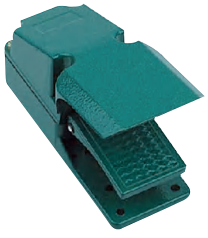
SFMS-20



MD13HS



MD-88H



MD-68H



YDT1-101



8013

LW26 Series Rotary Switches



LW26-20



LW26-32

1. Working Conditions

Ambient temperature Do Not exceed 40˚C and the average temperature, measured over a period of 24 hours, Do Not exceed 35˚C.
Ambient temperature should not be below -5˚C.
Should not be installed over 2000m above sea level.
The humidity should not exceed 50% when the ambient temperature is 40˚C and higher humidity is allowed for lower temperature.

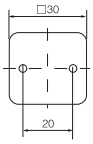
2. Installation Conditions

A clean environment is required.
Please follow our manual.

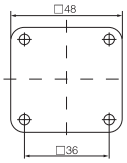
3. Escutcheon Plate and Handle

Escutcheon plate

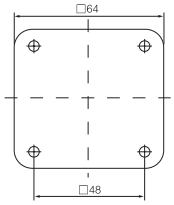
M0



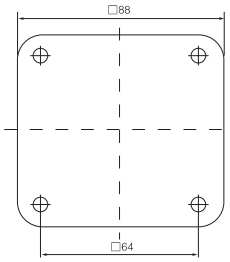
M1



M2



M3



Type of handle	Color	Escutcheon plate M0 M1 M2 M3
R Type 	Black Red White Gray	●●● ●●● ●●● ●●●
F Type 	Black Red White Gray	●● ●● ●● ●●
H Type 	Black Red White Gray	● ● ● ●
P Type 	Black Red White Gray	●● ●● ●● ●●

Type of handle	Color	Escutcheon plate M0 M1 M2 M3
I Type 	Black Red White Gray Yellow	●●● ●●● ●●● ●●● ●
B Type 	Black Red White Gray	●● ●● ●● ●●
L Type 	Black Red White Gray	● ● ● ●
K Type 	Black Red White Gray	●● ●● ●● ●●

LW26 Series Rotary Switches

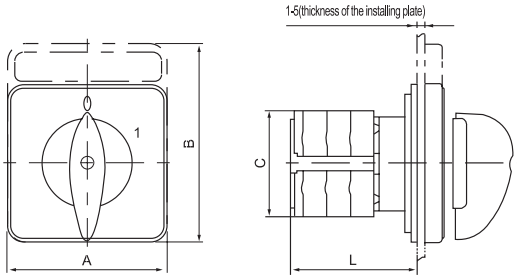
4. Outline and Installation Dimension (mm)

Dimensions and installation

Square escutcheon plate and rectangular escutcheon plate



LW26-20



LW26-10 Installation

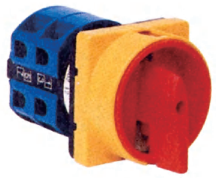
LW26-160 Installation



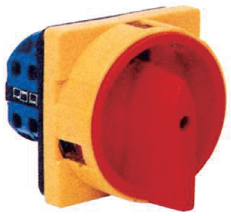
LW26-32

Description	Escutcheon plate	Dimension(mm)				Installation(mm)			
		A	B	C	L	E	F	D1	D2
LW26-10	M0 square	30	30	28	22+8n	20		ø8	ø3.2
LW26X-10	M0 square	30	30	28	26.5+12n	20		ø8	ø3.2
LW26-20	M1 square	48	48	43	22+9.6n	36	36	ø8.5	ø4.5
	M1 rectangular	48	60	43	22+9.6n	36	36	ø8.5	ø4.5
	M2 square	64	64	43	25+9.6n	48	48	ø10	ø4.5
	M2 rectangular	64	80	43	25+9.6n	48	48	ø10	ø4.5
LW26X-20	M1 square	48	48	46	22+14n	36	36	ø8.5	ø4.5
	M1 rectangular	48	60	46	22+14n	36	36	ø8.5	ø4.5
	M2 square	64	64	46	25+14n	48	48	ø10	ø4.5
	M2 rectangular	64	80	46	25+14n	48	48	ø10	ø4.5
LW26-25	M1 square	48	48	45.2	23+12.8n	36	36	ø8.5	ø4.5
	M1 rectangular	48	60	45.2	23+12.8n	36	36	ø8.5	ø4.5
	M2 square	64	64	45.2	26.5+12.8n	48	48	ø10	ø4.5
	M2 rectangular	64	80	45.2	26.5+12.8n	48	48	ø10	ø4.5
LW26-32	M2 square	64	64	58	29.2+12.8n	48	48	ø10	ø4.5
	M2 rectangular	64	80	58	29.2+12.8n	48	48	ø10	ø4.5
LW26-32F	M1 square	48	48	48	23+14n	36	36	ø8.5	ø4.5
	M1 rectangular	48	60	48	23+14n	36	36	ø8.5	ø4.5
	M2 square	64	64	48	24.5+14n	48	48	ø10	ø4.5
	M2 rectangular	64	80	48	24.5+14n	48	48	ø10	ø4.5
LW26-63	M2 square	64	64	66	29.2+21.5n	48	48	ø10	ø4.5
	M2 rectangular	64	80	66	29.2+21.5n	48	48	ø10	ø4.5
	M3 square	88	88	66	29.2+21.5n	68	68	ø13	ø4.5
	M3 rectangular	88	107	66	29.2+21.5n	68	68	ø13	ø4.5
LW26-125	M3 square	88	88	84	35+26.5n	68	68	ø13	ø6
	M3 rectangular	88	107	84	35+26.5n	68	68	ø13	ø6
LW26-160	M3 square	88	88	88	35+26.5n	68	68	ø13	ø6
	M3 rectangular	88	107	88	35+26.5n	68	68	ø13	ø6

LW26GS Series Park-lock Type Switches



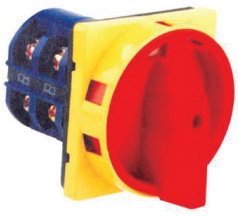
LW26GS-20/04-1



LW26GS-20/24-2



LW26GS-63/04-2



LW26GS-63/04-3



LW26GS-125/04-3

1. Classification

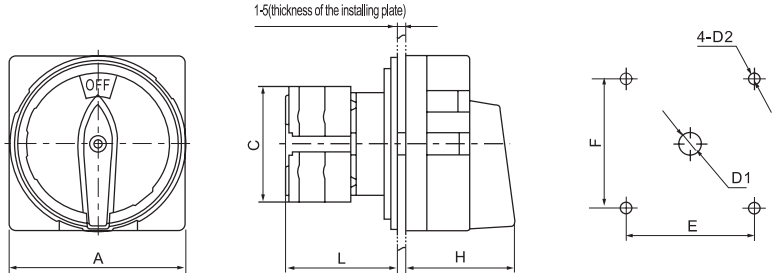
(1) The LW26GS switch has 6 current ratings: 20A, 25A, 32A, 63A, 125A and 160A. For 20A and 25A is able to install M1 or M2 plate, and for 32A and 63A is able to install M2 or M3 plate, for 125A and 160A is able to install M3 plate only. The M1 plate is able to put 2
Re: -1, -2, -3 represent M1, M2, M3.

(2) The LW 26GS switch has two types:
Common type, black plate black handle
Quick stop type, with quick stop mark, yellow plate and red handle.

2. Technical Parameters

Description		LWGS26-20	LWGS26-25	LWGS26-32	LWGS26-63	LWGS26-125	LWGS26-160
Rated working voltage(Ue)	V	440	440	440	440	440	440
Reted thermal current(Ith)	A	20	25	32	63	125	160
Rated working current(Ie)							
AC-21A	A	20	25	32	63	100	150
AC-22A	A	20	25	32	63	100	150
AC-23A	A	15	22	30	57	90	135
Power(P)							
AC-23A	kW	7.5	11	15	30	45	75
Operation							
Non-load		8500	8500	8500	8500	8500	8500
Load		1500	1500	1500	1500	1500	1500
Total		10000	10000	10000	10000	10000	10000

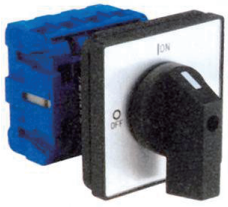
3. Outline and Installation Dimension (mm)

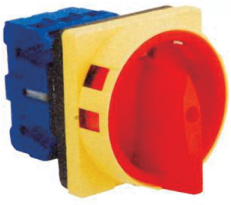


Description	Escutcheon plate	Dimension(mm)				Installation(mm)			
		A	C	L	H	E	F	D1	D2
LW26GS-20	M1	□48	43	42	33	36	36	ø8.5	ø4.5
LW26GS-20	M2	□64	43	43	42	48	48	ø8.5	ø4.5
LW26GS-25	M1	□48	45.2	50	33	36	36	ø8.5	ø4.5
LW26GS-25	M2	□64	45.2	51	42	48	48	ø8.5	ø4.5
LW26GS-32	M2	□64	58	55	42	48	48	ø10	ø4.5
LW26GS-32	M3	□88	58	55	52	68	68	ø13	ø6
LW26GS-63	M2	□64	66	72.5	42	48	48	ø10	ø4.5
LW26GS-63	M3	□88	66	72.5	52	68	68	ø13	ø6
LW26GS-125	M3	□88	84	88	52	68	68	ø13	ø6
LW26GS-160	M3	□88	88	100	52	68	68	ø13	ø6

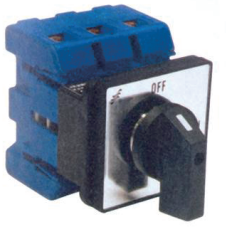
LW30 Series Rotary Switches

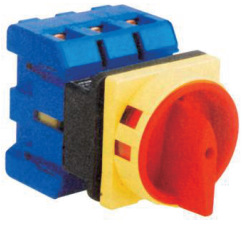






LW30-20、32





LW30-80、100

1. Designation

LW 30 - □ / □ □ □ □ □ □

- Type of box
- Way of installation
- Earthing terminal
- Neutral terminal
- Additional contacts
- Number of poles
- Rated thermal current
- Product code
- Rotary switch(Cam switch)

2. Working Conditions

Ambient temperature Do Not exceed 40˚C and the average temperature, measured over a period of 24 hours, Do Not exceed 35˚C.
Ambient temperature should not be below -5˚C.
Should not be installed above 2000m above sea level.
The humidity should not exceed 50% when the ambient temperature is 40˚C and higher humandity is allowed for lower temperature.

Current type: 50Hz AC
Number of main contact: ON and OFF
Frequency: 8 hours per day, 30 times per hour
Mechanism Life: 10000 times/AC-23, 6000 times/AC-3, 2000 times for additional contact.

3. Accessorial Code

Number of poles: 3P, 4P
Additional contacts: 0 for additional contacts not inclosed, 1 for with additional contacts
Neutral terminal: 0 for neutral terminal not inclosed, 1 for with earthing terminal.
Installation:

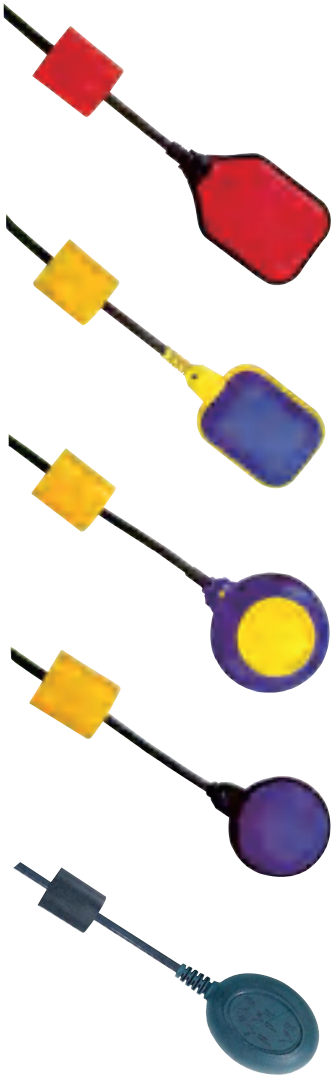
- Pad-lock escutcheon plate
- Escutcheon plate
- Single lock parallel installation
- Doorlock safety switch with padlock system
- Single hole installation

Type of box: 0 without protective box, 1 with IP65 plastic box

4. Installation Conditions

- A clean environment is required.
- Please follow our manual.

Float Switch



1. Application

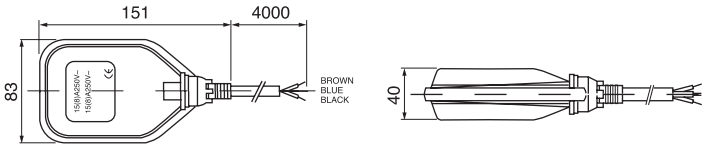
Note1(Outline code): “1”-Trapezium “2”-Rectangle “3”-Large circular
“4”-Small circular “5”-
Note2(Colour code): “R”-Red “Y”-Yellow “S”-Blue “G”-Gray “B”-Black
Note3(Weight code): “1”-Plasticsloop-tightened type(usually no marked)
“2”-Plastics clamp plate screw tightened type(marked must)

G M- □ □ □ / □

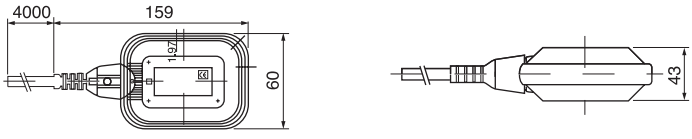
- Weight code(see note3)
- Enclosure edge colour code(see note2)
- Enclosure body colour code(see note2)
- Outline code(see note1)
- Fluid level controller code
- Code

2. Outline and Installation Dimension (mm)

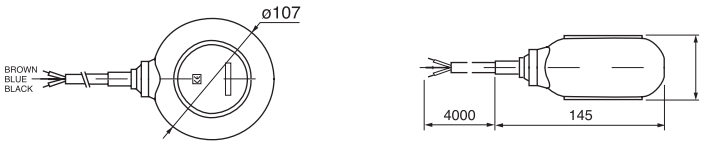
GM-1



GM-2



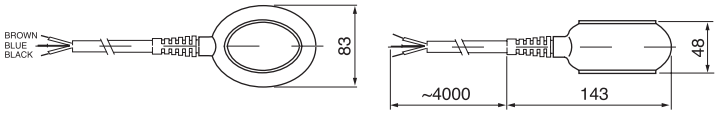
GM-3



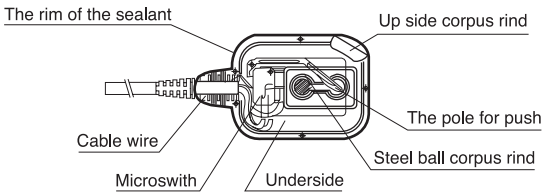
GM-4



GM-5



GM-1
GM-2
GM-3
GM-4



CHJ8 Inductive Proximity Sensor



Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ8-1.5N1	CHJ8M-2N1
		NC	CHJ8-1.5N2	CHJ8M-2N2
		NO+NC	-	-
	PNP	NO	CHJ8-1.5P1	CHJ8M-2P1
		NC	CHJ8-1.5P2	CHJ8M-2P2
		NO+NC	-	-
2-wire DC10-30V		NO	CHJ8-1.5D1	CHJ8M-2D1
		NC	CHJ8-1.5D2	CHJ8M-2D2
2-wire AC100-240V		NO	CHJ8-1.5A1	CHJ8M-2A1
		NC	CHJ8-1.5A2	CHJ8M-2A2
Sensing distance			1.5mm±10%	2mm±10%

CHJ12 Inductive Proximity Sensor



Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ12-2N1	CHJ12M-4N1
		NC	CHJ12-2N2	CHJ12M-4N2
		NO+NC	CHJ12-2N4	CHJ12M-4N4
	PNP	NO	CHJ12-2P1	CHJ12M-4P1
		NC	CHJ12-2P2	CHJ12M-4P2
		NO+NC	CHJ12-2P4	CHJ12M-4P4
2-wire DC10-30V		NO	CHJ12-2D1	CHJ12M-4D1
		NC	CHJ12-2D2	CHJ12M-4D2
2-wire AC100-240V		NO	CHJ12-2A1	CHJ12M-4A1
		NC	CHJ12-2A2	CHJ12M-4A2
Sensing distance			2mm±10%	4mm±10%

CHJ18 Inductive Proximity Sensor



Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ18-5N1	CHJ18M-10N1
		NC	CHJ18-5N2	CHJ18M-10N2
		NO+NC	CHJ18-5N4	CHJ18M-10N4
	PNP	NO	CHJ18-5P1	CHJ18M-10P1
		NC	CHJ18-5P2	CHJ18M-10P2
		NO+NC	CHJ18-5P4	CHJ18M-10P4
2-wire DC10-30V		NO	CHJ18-5D1	CHJ18M-10D1
		NC	CHJ18-5D2	CHJ18M-10D2
2-wire AC100-240V		NO	CHJ18-5A1	CHJ18M-10A1
		NC	CHJ18-5A2	CHJ18M-10A2
Sensing distance			5mm±10%	10mm±10%

CHJ30 Inductive Proximity Sensor



Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ30-10N1	CHJ30M-15N1
		NC	CHJ30-10N2	CHJ30M-15N2
		NO+NC	CHJ30-10N4	CHJ30M-15N4
	PNP	NO	CHJ30-10P1	CHJ30M-15P1
		NC	CHJ30-10P2	CHJ30M-15P2
		NO+NC	CHJ30-10P4	CHJ30M-15P4
2-wire DC10-30V		NO	CHJ30-10D1	CHJ30M-15D1
		NC	CHJ30-10D2	CHJ30M-15D2
2-wire AC100-240V		NO	CHJ30-10A1	CHJ30M-15A1
		NC	CHJ30-10A2	CHJ30M-15A2
Sensing distance			10mm±10%	15mm±10%

CHJ8-H Connector type proximity sensor



Connector cable should be ordered separately(convention 2m)

Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ8-1.5N1-H	CHJ8M-2N1-H
		NC	CHJ8-1.5N2-H	CHJ8M-2N2-H
		NO+NC	-	-
	PNP	NO	CHJ8-1.5P1-H	CHJ8M-2P1-H
		NC	CHJ8-1.5P2-H	CHJ8M-2P2-H
		NO+NC	-	-
2-wire DC10-30V		NO	CHJ8-1.5D1-H	CHJ8M-2D1-H
		NC	CHJ8-1.5D2-H	CHJ8M-2D2-H
2-wire AC100-240V		NO	CHJ8-1.5A1-H	CHJ8M-2A1-H
		NC	CHJ8-1.5A2-H	CHJ8M-2A2-H
Sensing distance			1.5mm±10%	2mm±10%

CHJ12-H Connector type proximity sensor



Connector cable should be ordered separately(convention 2m)

Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ12-2N1-H	CHJ12M-4N1-H
		NC	CHJ12-2N2-H	CHJ12M-4N2-H
		NO+NC	CHJ12-2N4-H	CHJ12M-4N4-H
	PNP	NO	CHJ12-2P1-H	CHJ12M-4P1-H
		NC	CHJ12-2P2-H	CHJ12M-4P2-H
		NO+NC	CHJ12-2P4-H	CHJ12M-4P4-H
2-wire DC10-30V		NO	CHJ12-2D1-H	CHJ12M-4D1-H
		NC	CHJ12-2D2-H	CHJ12M-4D2-H
2-wire AC100-240V		NO	CHJ12-2A1-H	CHJ12M-4A1-H
		NC	CHJ12-2A2-H	CHJ12M-4A2-H
Sensing distance			2mm±10%	4mm±10%

CHJ18-H Connector type proximity sensor



Connector cable should be ordered separately(convention 2m)

Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ18-5N1-H	CHJ18M-10N1-H
		NC	CHJ18-5N2-H	CHJ18M-10N2-H
		NO+NC	CHJ18-5N4-H	CHJ18M-10N4-H
	PNP	NO	CHJ18-5P1-H	CHJ18M-10P1-H
		NC	CHJ18-5P2-H	CHJ18M-10P2-H
		NO+NC	CHJ18-5P4-H	CHJ18M-10P4-H
2-wire DC10-30V		NO	CHJ18-5D1-H	CHJ18M-10D1-H
		NC	CHJ18-5D2-H	CHJ18M-10D2-H
2-wire AC100-240V		NO	CHJ18-5A1-H	CHJ18M-10A1-H
		NC	CHJ18-5A2-H	CHJ18M-10A2-H
Sensing distance			5mm±10%	10mm±10%

CHJ30-H Connector type proximity sensor



Connector cable should be ordered separately(convention 2m)

Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ30-10N1	CHJ30M-15N1
		NC	CHJ30-10N2	CHJ30M-15N2
		NO+NC	CHJ30-10N4	CHJ30M-15N4
	PNP	NO	CHJ30-10P1	CHJ30M-15P1
		NC	CHJ30-10P2	CHJ30M-15P2
		NO+NC	CHJ30-10P4	CHJ30M-15P4
2-wire DC10-30V		NO	CHJ30-10D1	CHJ30M-15D1
		NC	CHJ30-10D2	CHJ30M-15D2
2-wire AC100-240V		NO	CHJ30-10A1	CHJ30M-15A1
		NC	CHJ30-10A2	CHJ30M-15A2
Sensing distance			10mm±10%	15mm±10%

CHJ17M, CHJ25M Rectangular type inductive



Size: 17×17×28mm
Size: 25×25×38mm

Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ17M-5N1	CHJ25M-8N1
		NC	CHJ17M-5N2	CHJ25M-8N2
		NO+NC	-	-
	PNP	NO	CHJ17M-5P1	CHJ25M-8P1
		NC	CHJ17M-5P2	CHJ25M-8P2
		NO+NC	-	-
3-wire DC10-30V		NO	CHJ17M-5D1	CHJ25M-8D1
		NC	CHJ17M-5D2	CHJ25M-8D2
3-wire AC100-240V		NO	CHJ17M-5A1	CHJ25M-8A1
		NC	CHJ17M-5A2	CHJ25M-8A2
Sensing distance			5mm±10%	8mm±10%

CHJ17,CHJ25 Flat type inductive proximity sensor



Size: 18×30×10mm
Size: 30×45×12mm

Output form			Flush	Non-flush
3-wire DC 10 -30V	NPN	NO	CHJ17-5N1	CHJ25-10N1
		NC	CHJ17-5N2	CHJ25-10N2
		NO+NC	-	-
	PNP	NO	CHJ17-5P1	CHJ25-10P1
		NC	CHJ17-5P2	CHJ25-10P2
		NO+NC	-	-
2-wire DC10-30V		NO	CHJ17-5D1	CHJ25-10D1
		NC	CHJ17-5D2	CHJ25-10D2
2-wire AC100-240V		NO	CHJ17-5A1	CHJ25-10A1
		NC	CHJ17-5A2	CHJ25-10A2
Sensing distance			5mm±10%	10mm±10%

CHJ42M,CHJ48M Plane installation inductive proximity sensor



Output form			Non-flush	
3-wire DC 10 -30V	NPN	NO	CHJ42M-18N1	CHJ48M-20N1
		NC	CHJ42M-18N2	CHJ48M-20N2
		NO+NC	CHJ42M-18N4	CHJ48M-20N4
	PNP	NO	CHJ42M-18P1	CHJ48M-20P1
		NC	CHJ42M-18P2	CHJ48M-20P2
		NO+NC	CHJ42M-18P4	CHJ48M-20P4
2-wire DC10-30V		NO	CHJ42M-18D1	CHJ48M-20D1
		NC	CHJ42M-18D2	CHJ48M-20D2
2-wire AC100-240V		NO	CHJ42M-18A1	CHJ48M-20A1
		NC	CHJ42M-18A2	CHJ48M-20A2
Sensing distance			18mm±10%	20mm±10%

CHC18M,CHC30M,CHC34M Capacitive proximity sensor



Diameter: Ø18,Ø30,Ø34

Output form			Non-flush		
3-wire DC 10 -30V	NPN	NO	CHC18M-8N1	CHC30M-15N1	CHC34M-25N1
		NC	CHC18M-8N2	CHC30M-15N2	CHC34M-25N2
	PNP	NO	CHC18M-8P1	CHC30M-15P1	CHC34M-25P1
		NC	CHC18M-8P2	CHC30M-15P2	CHC34M-25P2
2-wire DC10-30V		NO	CHC18M-8D1	CHC30M-15D1	CHC34M-25D1
		NC	CHC18M-8D2	CHC30M-15D2	CHC34M-25D2
2-wire AC100-240V		NO	CHC18M-8A1	CHC30M-15A1	CHC34M-25A1
		NC	CHC18M-8A2	CHC30M-15A2	CHC34M-25A2
Sensing distance			8mm±10%	15mm±10%	25mm±10%

LJM8 Short cylindrical inductive proximity sensor



Diameter: Ø8 Length: 30mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJM8-1.5N1	LJM8M-2N1
		NC	LJM8-1.5N2	LJM8M-2N2
		NO+NC	-	-
	PNP	NO	LJM8-1.5P1	LJM8M-2P1
		NC	LJM8-1.5P2	LJM8M-2P2
		NO+NC	-	-
2-wire DC6-36V		NO	LJM8-1.5D1	LJM8M-2D1
		NC	-	-
2-wire AC90-250V		NO	-	-
		NC	-	-
Sensing distance			1.5mm±15%	2mm±15%

LJM12 Short cylindrical inductive proximity sensor



Diameter: Ø12 Length: 45mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJM12-2N1	LJM12M-5N1
		NC	LJM12-2N2	LJM12M-5N2
		NO+NC	LJM12-2N4	LJM12M-5N4
	PNP	NO	LJM12-2P1	LJM12M-5P1
		NC	LJM12-2P2	LJM12M-5P2
		NO+NC	LJM12-2P4	LJM12M-5P4
2-wire DC6-36V		NO	LJM12-2D1	LJM12M-5D1
		NC	LJM12-2D2	LJM12M-5D2
2-wire AC90-250V		NO	LJM12-2A1	LJM12M-5A1
		NC	LJM12-2A2	LJM12M-5A2
Sensing distance			2mm±15%	5mm±15%

LJM18 Short cylindrical inductive proximity sensor



Diameter: Ø18 Length: 50mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJM18-5N1	LJM18M-10N1
		NC	LJM18-5N2	LJM18M-10N2
		NO+NC	LJM18-5N4	LJM18M-10N4
	PNP	NO	LJM18-5P1	LJM18M-10P1
		NC	LJM18-5P2	LJM18M-10P2
		NO+NC	LJM18-5P4	LJM18M-10P4
2-wire DC6-36V		NO	LJM18-5D1	LJM18M-10D1
		NC	LJM18-5D2	LJM18M-10D2
2-wire AC90-250V		NO	LJM18-5A1	LJM18M-10A1
		NC	LJM18-5A2	LJM18M-10A2
Sensing distance			5mm±15%	10mm±15%

LJM30 Short cylindrical inductive proximity sensor



Diameter: Ø30 Length: 50mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJM30-10N1	LJM30M-18N1
		NC	LJM30-10N2	LJM30M-18N2
		NO+NC	LJM30-10N4	LJM30M-18N4
	PNP	NO	LJM30-10P1	LJM30M-18P1
		NC	LJM30-10P2	LJM30M-18P2
		NO+NC	LJM30-10P4	LJM30M-18P4
2-wire DC6-36V		NO	LJM30-10D1	LJM30M-18D1
		NC	LJM30-10D2	LJM30M-18D2
2-wire AC90-250V		NO	LJM30-10A1	LJM30M-18A1
		NC	LJM30-10A2	LJM30M-18A2
Sensing distance			10mm±15%	18mm±15%

LJA8 Long cylindrical inductive proximity sensor



Diameter: Ø8 Length: 40mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJA8-1.5N1	LJA8M-2N1
		NC	LJA8-1.5N2	LJA8M-2N2
		NO+NC	-	-
	PNP	NO	LJA8-1.5P1	LJA8M-2P1
		NC	LJA8-1.5P2	LJA8M-2P2
		NO+NC	-	-
2-wire DC6-36V		NO	LJA8-1.5D1	LJA8M-2D1
		NC	-	-
2-wire AC90-250V		NO	LJA8-1.5A1	LJA8M-2A1
		NC	LJA8-1.5A2	LJA8M-2A2
Sensing distance			1.5mm±15%	2mm±15%

LJA12 Long cylindrical inductive proximity sensor



Diameter: Ø12 Length: 50mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJA12-2N1	LJA12M-5N1
		NC	LJA12-2N2	LJA12M-5N2
		NO+NC	LJA12-2N4	LJA12M-5N4
	PNP	NO	LJA12-2P1	LJA12M-5P1
		NC	LJA12-2P2	LJA12M-5P2
		NO+NC	LJA12-2P4	LJA12M-5P4
2-wire DC6-36V		NO	LJA12-2D1	LJA12M-5D1
		NC	LJA12-2D2	LJA12M-5D2
2-wire AC90-250V		NO	LJA12-2A1	LJA12M-5A1
		NC	LJA12-2A2	LJA12M-5A2
Sensing distance			2mm±15%	5mm±15%

LJA18 Long cylindrical inductive proximity sensor



Diameter: Ø18 Length: 52mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJA18-5N1	LJA18M-10N1
		NC	LJA18-5N2	LJA18M-10N2
		NO+NC	LJA18-5N4	LJA18M-10N4
	PNP	NO	LJA18-5P1	LJA18M-10P1
		NC	LJA18-5P2	LJA18M-10P2
		NO+NC	LJA18-5P4	LJA18M-10P4
2-wire DC6-36V		NO	LJA18-5D1	LJA18M-10D1
		NC	LJA18-5D2	LJA18M-10D2
2-wire AC90-250V		NO	LJA18-5A1	LJA18M-10A1
		NC	LJA18-5A2	LJA18M-10A2
Sensing distance			5mm±15%	10mm±15%

LJA30 Long cylindrical inductive proximity sensor



Diameter: Ø30 Length: 52mm

Output form			Flush	Non-flush
3-wire DC 6 -36V	NPN	NO	LJA30-10N1	LJA30M-18N1
		NC	LJA30-10N2	LJA30M-18N2
		NO+NC	LJA30-10N4	LJA30M-18N4
	PNP	NO	LJA30-10P1	LJA30M-18P1
		NC	LJA30-10P2	LJA30M-18P2
		NO+NC	LJA30-10P4	LJA30M-18P4
2-wire DC6-36V		NO	LJA30-10D1	LJA30M-18D1
		NC	LJA30-10D2	LJA30M-18D2
2-wire AC90-250V		NO	LJA30-10A1	LJA30M-18A1
		NC	LJA30-10A2	LJA30M-18A2
Sensing distance			10mm±15%	18mm±15%

CJM18M,CJM24M Capacitive proximity sensor



Diameter: Ø18,Ø24
Plastic housing is also available

Output form			Non-flush	
3-wire DC 6 -36V	NPN	NO	CJM18M-8N1	CJM24M-10N1
		NC	CJM18M-8N2	CJM24M-10N2
	PNP	NO	CJM18M-8P1	CJM24M-10P1
		NC	CJM18M-8P2	CJM24M-10P2
2-wire DC6-36V		NO	CJM18M-8D1	CJM24M-10D1
		NC	CJM18M-8D2	CJM24M-10D2
2-wire AC90-250V		NO	CJM18M-8A1	CJM24M-10A1
		NC	CJM18M-8A2	CJM24M-10A2
Sensing distance			8mm±10%	10mm±10%

CJM30M,CJM34M Capacitive proximity sensor



Diameter: Ø30,Ø34
Plastic housing is also available

Output form			Non-flush	
3-wire DC 6 -36V	NPN	NO	CJM30M-15N1	CJM34M-25N1
		NC	CJM30M-15N2	CJM34M-25N2
	PNP	NO	CJM30M-15P1	CJM34M-25P1
		NC	CJM30M-15P2	CJM34M-25P2
2-wire DC6-36V		NO	CJM30M-15D1	CJM34M-25D1
		NC	CJM30M-15D2	CJM34M-25D2
2-wire AC90-250V		NO	CJM30M-15A1	CJM34M-25A1
		NC	CJM30M-15A2	CJM34M-25A2
Sensing distance			15mm±10%	25mm±10%

LJB25M,LJB40MRectangular inductive proximity sensor



Output form			Non-flush	
3-wire DC 6 -36V	NPN	NO	LJB25M-5N1	LJB40M-20N1
		NC	LJB25M-5N2	LJB40M-20N2
		NO+NC	LJB25M-5N4	LJB40M-20N4
	PNP	NO	LJB25M-5P1	LJB40M-20P1
		NC	LJB25M-5P2	LJB40M-20P2
		NO+NC	LJB25M-5P4	LJB40M-20P4
2-wire DC6-36V		NO	LJB25M-5D1	LJB40M-20D1
		NC	LJB25M-5D2	LJB40M-20D2
2-wire AC90-250V		NO	LJB25M-5A1	LJB40M-20A1
		NC	LJB25M-5A2	LJB40M-20A2
Sensing distance			5mm±15%	20mm±15%

SN04 Rectangular inductive proximity sensor



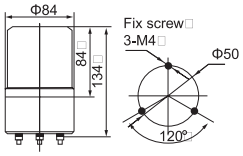
Output form			Flush
3-wire DC 6 -36V	NPN	NO	SN04-N
		NC	SN04-N2
		NO+NC	-
	PNP	NO	SN04-P
		NC	SN04-P2
		NO+NC	-
2-wire DC6-36V		NO	SN04-E
		NC	SN04-E2
2-wire AC90-250V		NO	SN04-Y
		NC	SN04-Y2
Sensing distance			4mm±15%

1081 Warning Light ø80

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

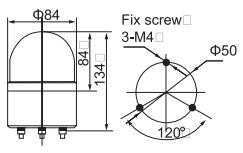
Model	Voltage	Light power
LTE1081	DC12V DC24V AC110V AC220V	5W
LTE1081J		
LTD1081		
LTD1081J		

1082 Warning Light ø80

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

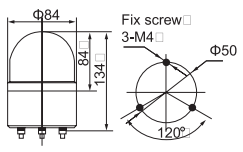
Model	Voltage	Light power
LTE1082	DC12V DC24V AC110V AC220V	5W
LTE1082J		

2082 Warning Light ø80

Bulb/Flashing



Outer Size



Color: Red, Yellow, Green, Blue

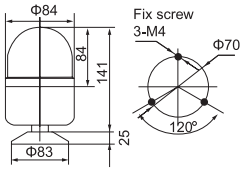
Model	Voltage	Light power
LTE2082	DC12V DC24V AC110V AC220V	5W
LTE2082J		

1083 Warning Light ø80

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

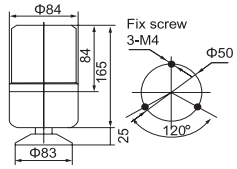
Model	Voltage	Light power
LTE1083	DC12V DC24V AC110V AC220V	5W

1084 Warning Light ø80

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

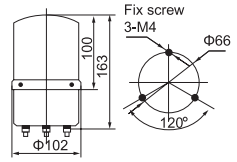
Model	Voltage	Light power
LTE1084	DC12V DC24V AC110V AC220V	5W

1101 Warning Light ø100

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

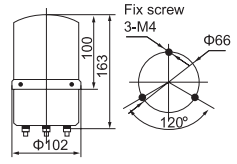
Model	Voltage	Light power
LTE1101	DC12V DC24V AC110V AC220V	10W
LTE1101J		
LTD1101		
LTD1101J		

5101 Warning Light ø100

LED/Strobe



Outer Size



Color: Red, Yellow, Green, Blue

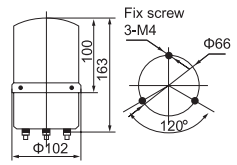
Model	Voltage	Light power
LTE5101	DC12V DC24V AC110V AC220V	2W
LTE5101J		

1102 Warning Light ø100

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

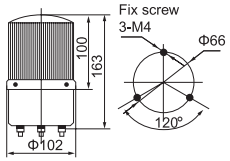
Model	Voltage	Light power
LTE1102	DC12V DC24V AC110V AC220V	10W
LTE1102J		

1103 Warning Light ø100

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

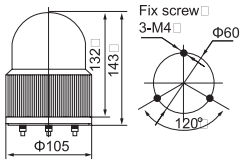
Model	Voltage	Light power
LTE1103	DC12V DC24V AC110V AC220V	10W
LTE1103J		

1105 Warning Light ø100

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

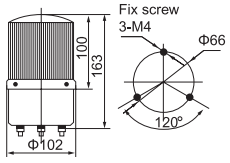
Model	Voltage	Light power
LTE1105	DC12V DC24V AC110V AC220V	5W
LTD1105		

5103 Warning Light ø100

LED/Strobe



Outer Size



Color: Red, Yellow, Green, Blue

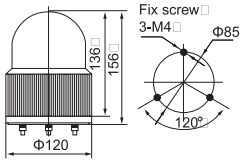
Model	Voltage	Light power
LTE5103	DC12V DC24V AC110V AC220V	2W
LTE5103J		

1122 Warning Light ø120

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

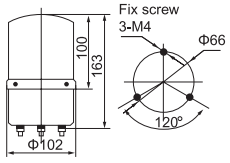
Model	Voltage	Light power
LTE1122	DC12V DC24V AC110V AC220V	10W
LTD1122		

1104 Warning Light ø100

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

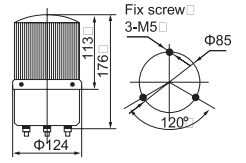
Model	Voltage	Light power
LTE1104	DC12V DC24V AC110V AC220V	10W
LTE1104J		

1121 Warning Light ø120

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

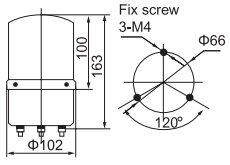
Model	Voltage	Light power
LTE1121	DC12V DC24V AC110V AC220V	10W
LTE1121J		
LTD1121		
LTD1121J		

5104 Warning Light ø100

LED/Strobe



Outer Size



Color: Red, Yellow, Green, Blue

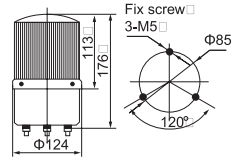
Model	Voltage	Light power
LTE5104	DC12V DC24V AC110V AC220V	2W
LTE5104J		

5121 Warning Light ø120

LED/Strobe



Outer Size



Color: Red, Yellow, Green, Blue

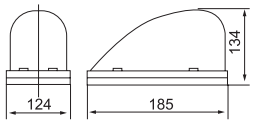
Model	Voltage	Light power
LTE5121	DC12V DC24V AC110V AC220V	2W
LTE5121J		

1201 Warning Light

Bulb/Revolving



Outer Size



Color: Red, Yellow, Blue

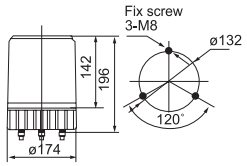
Model	Voltage	Light power
LTD1201	DC12V DC24V	23W

1181 Warning Light ø180

Bulb/Revolving



Outer Size



Color: Red, Yellow, Blue

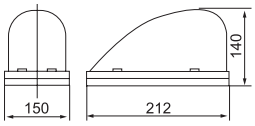
Model	Voltage	Light power
LTE1181	DC12V DC24V AC110V AC220V	35W
LTD1181		

1201J Warning Light

Bulb/Revolving



Outer Size



Color: Red, Yellow, Blue

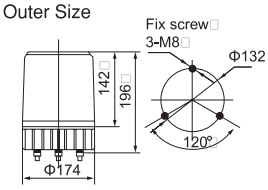
Model	Voltage	Light power
LTD1201J	DC12V DC24V	23W

5181 Warning Light ø180

LED/Strobe



Outer Size



Color: Red, Yellow, Blue

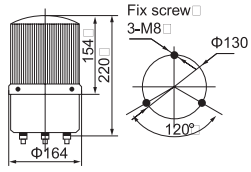
Model	Voltage	Light power
LTE5181	DC12V DC24V AC110V AC220V	3W
LTD5181		

1161 Warning Light ø160

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

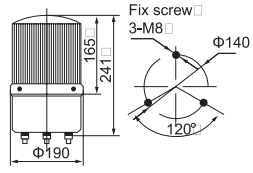
Model	Voltage	Light power
LTE1161	DC12V DC24V AC110V AC220V	35W
LTD1161		

1191 Warning Light ø190

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

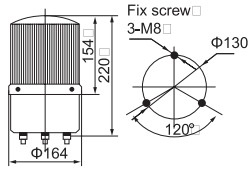
Model	Voltage	Light power
LTE1191	DC12V DC24V AC110V AC220V	55W
LTD1191		

5161 Warning Light ø160

LED/Strobe



Outer Size



Color: Red, Yellow, Green, Blue

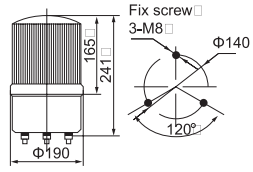
Model	Voltage	Light power
LTE5161	DC12V DC24V AC110V AC220V	3W
LTD5161		

5191 Warning Light ø190

LED/Strobe



Outer Size



Color: Red, Yellow, Green, Blue

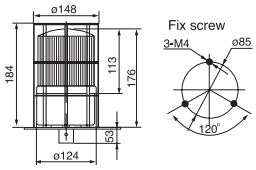
Model	Voltage	Light power
LTE5191	DC12V DC24V AC110V AC220V	3W
LTD5191		

1121S Warning Light ø120

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

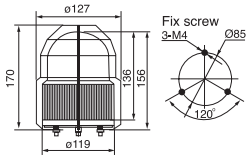
Model	Voltage	Light power
LTG1121S	DC12V DC24V AC110V AC220V	10W

1122S Warning Light ø120

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green, Blue

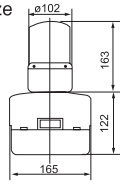
Model	Voltage	Light power
LTE1122S	DC12V DC24V AC110V AC220V	10W

1104 Warning Light ø100

Bulb/Revolving



Outer Size

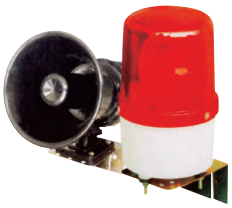


Color: Red, Yellow

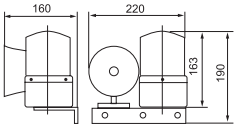
Model	Voltage	Light power
LTB1104	DC6V	3W

1102+ML Warning Light

Bulb/Revolving



Outer Size



Color: Red, Yellow

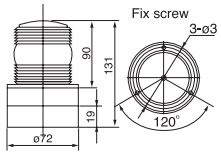
Model	Voltage	Light power
LTE1102+ML	DC12V DC24V AC110V AC220V	30W

5062 Flash Beacon ø70

Bulb/Flashing



Outer Size



Color: Red, Yellow

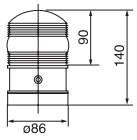
Model	Voltage	Light power
LTD5062	DC6V	2W

5088 Flash Beacon ø80

Bulb/Flashing



Outer Size



Color: Red, Yellow

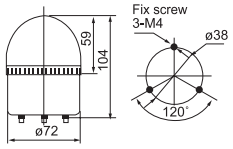
Model	Voltage	Light power
LTD5088	DC6V	2W

2071 Flash Beacon ø70

Bulb/Flashing



Outer Size



Color: Red, Yellow, Green, Blue

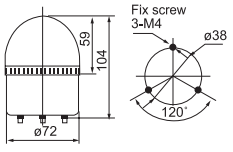
Model	Voltage	Light power
LTE2071 LTD2071	DC12V DC24V AC220V	15W

5071 Flash Beacon ø70

Bulb/Flashing



Outer Size



Color: Red, Yellow, Green, Blue

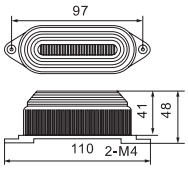
Model	Voltage	Light power
LTE5071 LTD5071	DC12V DC24V AC220V	2W

3051 Strobe Beacon

Xenon Strobe



Outer Size



Color

Red
Yellow
Green
Blue
White

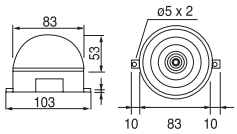
Model	Voltage	Light power
LTE3051	DC12V DC24V AC220V	10W

3072 Strobe Beacon ø80

Xenon Strobe



Outer Size



Color

Red
Yellow
Green
Blue
White

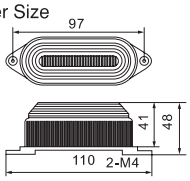
Model	Voltage	Light power
LTE3072	DC12V DC24V AC220V	10W

5051 Strobe Beacon

LED/Flashing



Outer Size



Color

Red
Yellow
Green
Blue
White

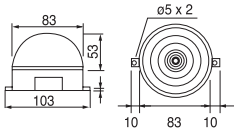
Model	Voltage	Light power
LTE5051	DC12V DC24V AC220V	2W

5072 Strobe Beacon ø80

LED/Flashing



Outer Size



Color

Red
Yellow
Green
Blue
White

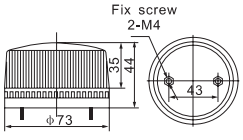
Model	Voltage	Light power
LTE5072	DC12V DC24V AC220V	2W

3061 Strobe Beacon ø70

Xenon Strobe



Outer Size



Color

Red
Yellow
Green
Blue

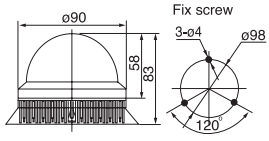
Model	Voltage	Light power
LTE6061	DC12V DC24V AC220V	10W

3073 Strobe Beacon ø90

Xenon Strobe



Outer Size



Color

Red
Yellow
Blue

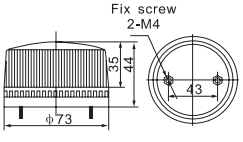
Model	Voltage	Light power
LTE3073	DC12V DC24V AC220V	20W

5061 Strobe Beacon ø70

LED/Flashing



Outer Size



Color

Red
Yellow
Green
Blue

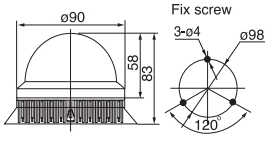
Model	Voltage	Light power
LTE5061	DC12V DC24V AC220V	2W

5073 Strobe Beacon ø90

LED/Flashing



Outer Size



Color

Red
Yellow
Blue

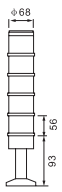
Model	Voltage	Light power
LTE5073	DC12V DC24V AC220V	2W

216 Multi-Level Rotator(Signal Tower)

Bulb Steady Burn Flashing



Outer Size



Color: Red, Yellow, Green, Blue, White

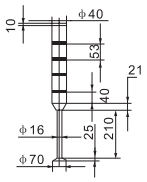
Model	Voltage	Light power	Function
LTA216-1	DC12V	5W	T-Steady burn W-Flash J-With buzzer
LTA216-2	DC24V	10W	
LTA216-3	AC110V	15W	
LTA216-4	AC220V	20W	

204 Signal Tower ø40

Bulb Steady Burn Flashing



Outer Size



Color: Red, Yellow, Green, Blue

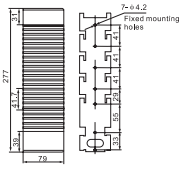
Model	Voltage	Light power	Function
LTA204-1	DC12V DC24V	3W	T-Steady burn W-Flash J-With buzzer
LTA204-2		6W	
LTA204-3		9W	
LTA204-4		12W	

209 Multi-Level Rotator(Signal Tower)

Bulb Steady Burn Flashing



Outer Size



Color: Red, Yellow, Green, Blue, White

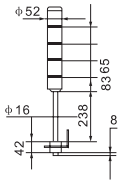
Model	Voltage	Light power
LTA209-1	DC12V DC24V AC110V AC220V	5W
LTA209-2		10W
LTA209-3		15W
LTA209-4		20W

205 Signal Tower ø52

Bulb Steady Burn Flashing



Outer Size



Color: Red, Yellow, Green, Blue, White

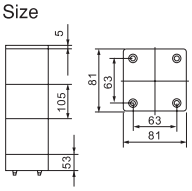
Model	Voltage	Light power	Function
LTA205-1	DC12V DC24V AC110V AC220V	5W	T-Steady burn W-Flash J-With buzzer
LTA205-2		10W	
LTA205-3		15W	
LTA205-4		20W	
LTA205-5		25W	

117 Multi-Level Rotator(Signal Tower)

Bulb/Revolving



Outer Size



Color: Red, Yellow, Green

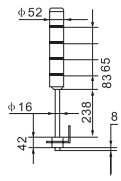
Model	Voltage	Lightpower	Function
LTA117-1	DC12V DC24V AC110V AC220V	5W	J-With buzzer
LTA117-2		10W	
LTA117-3		15W	

505 Signal Tower ø52

Bulb Steady Burn Flashing



Outer Size



Color: Red, Yellow, Green, Blue, White

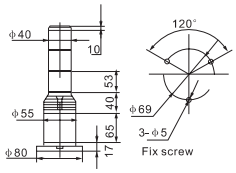
Model	Voltage	Lightpower	Function
LTA505-1	DC12V DC24V AC110V AC220V	2W	T-Steady burn W-Flash J-With buzzer
LTA505-2		4W	
LTA505-3		6W	
LTA505-4		8W	
LTA505-5		10W	

203 Signal Tower ø40

Bulb Steady Burn Flashing



Outer Size



Color: Red, Yellow, Green, Blue

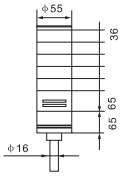
Model	Voltage	Light power	Function
LTA203-1	DC12V DC24V AC110V AC220V	3W	T-Steady burn W-Flash J-With buzzer
LTA203-2		6W	
LTA203-3		9W	
LTA203-4		12W	

506 Signal Tower ø55

Bulb Steady Burn Flashing



Outer Size



Color: Red, Yellow, Green, Blue, White

Model	Voltage	Light power	Function
LTA506-1	DC12V DC24V AC110V AC220V	2W	T-Steady burn W-Flash J-With buzzer
LTA506-2		4W	
LTA506-3		6W	
LTA506-4		8W	
LTA506-5		10W	

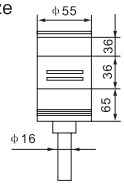
5001 Signal Tower ø55

LED Steady Burn/ Flashing(Three Colors)

Note:2-3 kinds of colors can be transformed in a lamp's lens



Outer Size



Color

Red
Yellow
Green
Blue
White

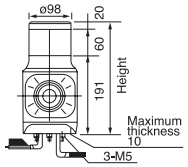
Model	Voltage	Light power	Function
LTA5001	DC12V DC24V AC110V AC220V	6W	T-Steady burn W-Flash J-With buzzer

520 Signal Tower ø98

LED Steady Burn Flashing



Outer Size



Color

Red
Yellow
Green

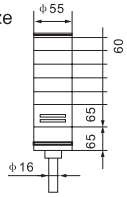
Model	Voltage	Light power	Function
LTA520-1J	DC12V DC24V AC110V AC220V	23W	T-Steady burn W-Flash J-With buzzer
LTA520-2J		26W	
LTA520-3J		29W	

207 Signal Tower ø55

Bulb Steady Burn Flashing



Outer Size

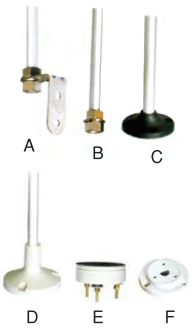


Color

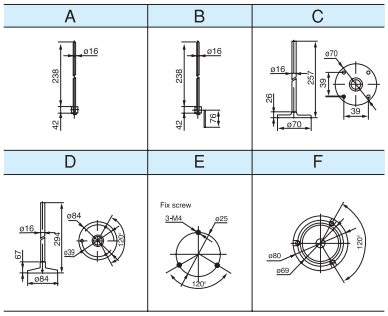
Red
Yellow
Green
Blue
White

Model	Voltage	Light power	Function
LTA207-1	DC12V DC24V AC110V AC220V	5W	T-Steady burn W-Flash J-With buzzer
LTA207-2		10W	
LTA207-3		15W	
LTA207-4		20W	
LTA207-5		25W	

Stack Light's Mounting Base



Outer Size

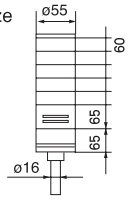


507 Signal Tower ø55

LED Steady Burn Flashing



Outer Size



Color

Red
Yellow
Green
Blue
White

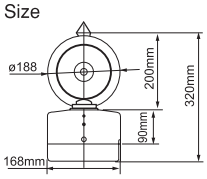
Model	Voltage	Light power	Function
LTA507-1	DC12V DC24V AC110V AC220V	2W	T-Steady burn W-Flash J-With buzzer
LTA507-2		4W	
LTA507-3		6W	
LTA507-4		8W	
LTA507-5		10W	

131 Road Block Traffic Light

Xenon Strobe LED/Flashing Bulb/Flashing



Outer Size



Color

Red
Yellow

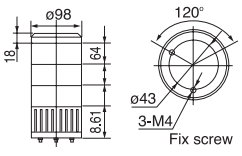
Model	Voltage	Light power
LTB2131	DC6V	Halogen Bulb
LTB5131		LED
LTB3131		Xenon Tube

508 Signal Tower ø98

LED Steady Burn Flashing



Outer Size



Color

Red
Yellow
Green
Blue
White

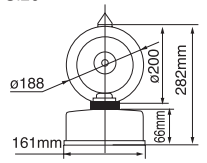
Model	Voltage	Light power	Function
LTA508-1	DC12V DC24V AC110V AC220V	3W	T-Steady burn W-Flash J-With buzzer
LTA508-2		6W	
LTA508-3		9W	

5132 Road Block Traffic Light

LED/Flashing



Outer Size



Color

Red
Yellow

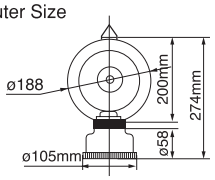
Model	Voltage	Light power
LTB5132	DC6V	LED

5133 Road Block Traffic Light

LED/Flashing



Outer Size



Color

Red

Yellow

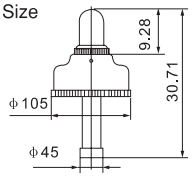
Model	Voltage	Light power
LTB5133	DC3V	LED

5064 Road Block Traffic Light

LED/Flashing



Outer Size



Color

Red

Yellow

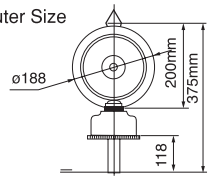
Model	Voltage	Light power
LTB5064	DC3V	LED

5184 Road Block Traffic Light

LED/Flashing



Outer Size



Color

Red

Yellow

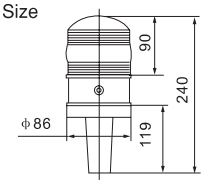
Model	Voltage	Light power
LTB5184	DC3V	LED

5088 Road Block Traffic Light ø86

LED/Flashing



Outer Size



Color

Red

Yellow

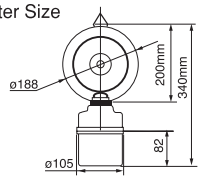
Model	Voltage	Light power
LTB5088	DC6V	LED

5185 Road Block Traffic Light

LED/Flashing



Outer Size



Color

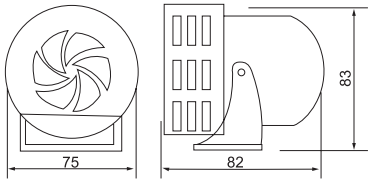
Red

Yellow

Model	Voltage	Light power
LTB5185	DC6V	LED

MS-190 Mini Motor Siren





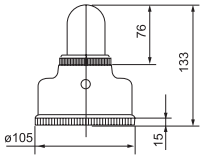
Voltage: DC12V, 24V, AC110V, 220V

5063 Road Block Traffic Light

LED/Flashing



Outer Size



Color

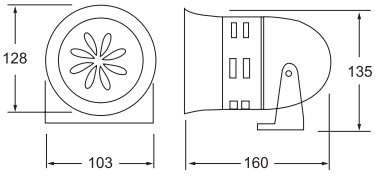
Red

Yellow

Model	Voltage	Light power
LTB5063	DC3V	LED

MS-290 Motor Siren

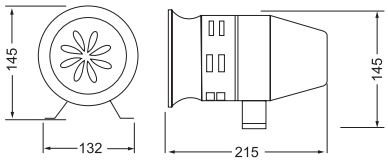




Voltage: DC12V, 24V, AC110V, 220V

MS-390 Motor Siren

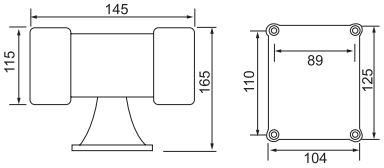




Voltage: DC12V, 24V, AC110V, 220V

MS-490 Double Motor Siren

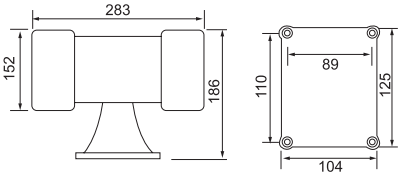




Voltage: AC110V, 230V

MS-590 Double Motor Siren

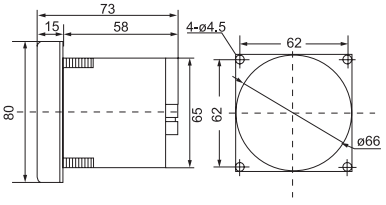




Voltage: AC230V

HPB-KM Buzzer

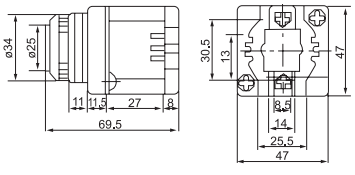




Voltage: DC12V, 24V, AC110V, 220V

HPB-PS30 Buzzer

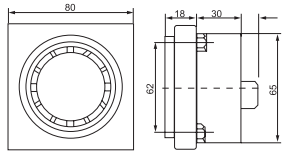




Voltage: DC12V, 24V, AC110V, 220V

KRB-P80 Buzzer

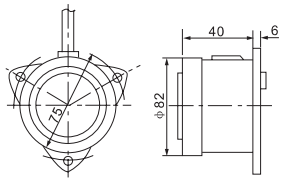




Voltage: DC12V, 24V, AC110V, 220V

KRB-N80 Buzzer

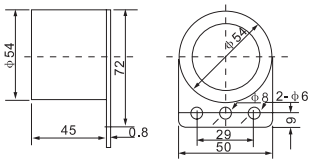




Voltage: DC12V,24V,AC110V,220V

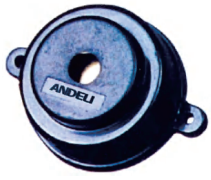
BJ-1 Buzzer

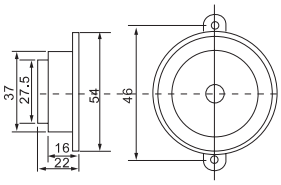




Voltage: DC6V,12V,24V, AC110V,220V

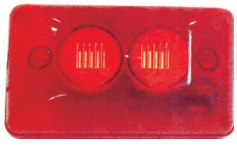
FMQ-3025 Buzzer

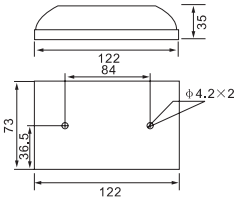




Voltage: DC6V, 12V, 24V

FMQ-5123 Buzzer





Voltage: DC12V, 24V, AC110V, 220V

Bell

1.Specification



YW01-9V



F2-8”



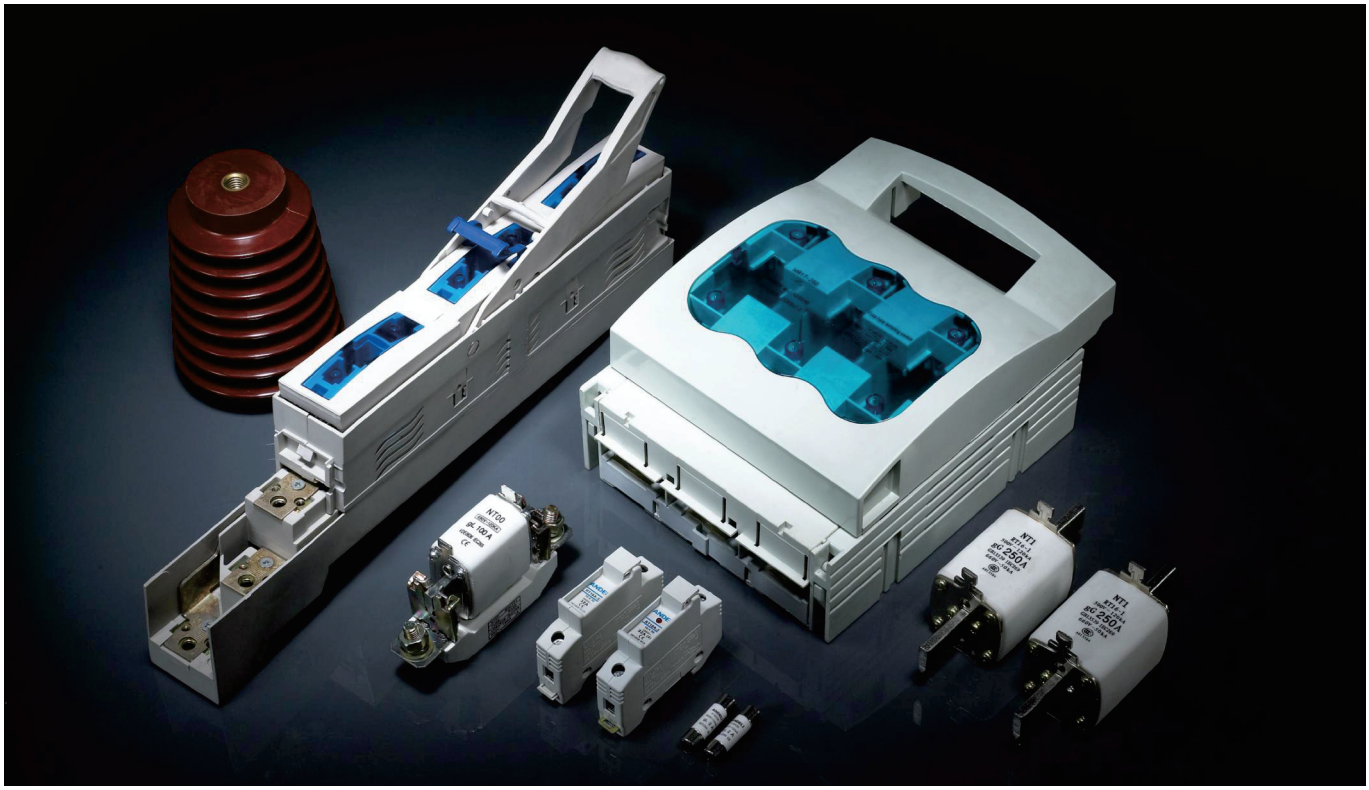
UC4



SCF-100MM

Model	Voltage	Size	Diz(mm)
YW01-9V	9V	6	150
YW04-9V	9V	4	100
F2-4”	DC6V DC12V DC24V AC110V AC120V AC130V AC220V AC230V AC240V	4	100
F2-6”		6	150
F2-8”		8	200
F2-10”		10	250
SB1-55MM	AC110V AC120V AC130V AC220V AC230V AC240V	2	ø55
SB1-75MM		3	ø75
SB1-100MM		4	ø100
SB1-150MM		6	ø150
SB1-200MM		8	ø200
SB1-250MM		10	ø250
SB1-300MM		12	ø300
UC4-55MM	DC6V DC12V DC24V AC110V AC120V AC130V AC220V AC230V AC240V	2	ø55
UC4-75MM		3	ø75
UC4-100MM		4	ø100
UC4-150MM		6	ø150
UC4-200MM		8	ø200
UC4-250MM		10	ø250
UC4-300MM		12	ø300
UC5-75MM	AC110V AC120V AC130V AC220V AC230V AC240V	3	ø75
SCF-75MM	AC110V AC120V AC130V AC220V AC230V AC240V	3	ø75
SCF-100MM		4	ø100
SCF-125MM		5	ø125
SCF-150MM		6	ø150
SCF-200MM		8	ø200
SCF-250MM		10	ø250
SCF-300MM		12	ø300

Fuse & Disconnector



NT Low Voltage Fuse 94
H R.C Fuse Core 96
Fuse Holder 96
J Fuse Link 98
Fuse Base 98
Photovoltaic Fuse 99
Cut Out Fuse 99
Isolating Switch Fuse 100
Fuse Disconnector 100
HG2B Fuse Disconnector 101
High Voltage Cutout 102
ADOT Series Disconnector Switches.....103-106
Lightning Arrester 107

NT Low Voltage Fuse

1. Application



NT00C



NT00



NT0

NT low voltage H.R.C. fuse features light in weight, small in size, low in power loss and high in breaking capacity. This product has been widely used in overload and short circuit protection of electric installation. This product conforms to IEC 60269 standards with all of the rating at the world advanced level.

2. Specifications

Type	Fuse link				Fuse base		
	Rated current (A)	Rated voltage (V)	Rated power loss (W)	Weight (kg)	Type	Rated current (A)	Weight (kg)
NT00C	2	500, 600	0.41	0.15	Sist 101	160	0.2
	4		0.62				
	6		0.81				
	10		1.08				
	16		1.60				
	20		1.81				
	25		2.31				
	32		3.07				
	36		3.17				
	40		4.05				
	50		4.25				
	63		4.70				
	80		5.7				
	100		7				
NT00	4	500, 600	0.67	0.15	Sist 101	160	0.2
	6		0.89				
	10		1.14				
	16		1.65				
	20		1.94				
	25		2.50				
	32		3.32				
	36		3.56				
	40		4.30				
	50		4.5				
	63		4.6				
	80		6				
	100		7.3				
	125	500	7.6				
	160		9.6				
NT0	6	500, 600	1.03	0.2	Sist 160	160	0.32
	10		1.42				
	16		2.45				
	20		2.36				
	25		2.7				
	32		3.74				
	35		4.3				
	40		4.7				
	50		5.5				
	63		6.9				
	80		7.6				
	100		8.9				
	125	500	10.1				
	160		15.2				



NT1



NT2



NT3



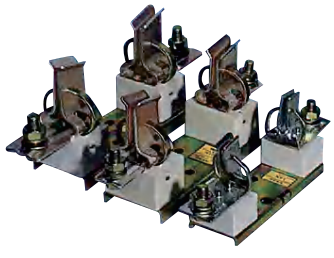
NT4

2. Specifications

Type	Fuse link				Fuse base		
	Rated current (A)	Rated voltage (V)	Rated power loss (W)	Weight (kg)	Type	Rated current (A)	Weight (kg)
NT1	80	500, 600	6.2	0.36	Sist 201	250	0.8
	100		7.5				
	125		10.2				
	160		13				
	200		15.2				
	224	500	16.8				
	250		18.3				
NT2	125	500, 600	9	0.65	Sist401	400	1.2
	160		11.5				
	200		15				
	224		16.6				
	250		18.4				
	300		21				
	315		19.2				
	355		24.5				
	400		26				
NT3	315	500, 600	21.7	0.85	Sist601	630	1.5
	355		22.7				
	400		26.8				
	425		28.9				
	500	500	32				
	630		40.3				
NT4	800	380	62	1.95	Sist1001	1000	3.45
	1000		75				



NT00 3P



NT2 3P



NT00 Fuse Puller

H.R.C Fuse Core

1. Application



RO14 RO15 RO16 RO21 RO22

The fuses links having cylindrical contact caps are designed for protecting electrical distributing installations of rated voltage of 380V AC. with rated current up to 125A against damage due to overload and short circuit. Fuse links with the striker are supplied for the purpose of protecting motors against motor single phasing operation when fitted in fuse isolators.

2. Specifications

Type		Dimension	Rated Current
gG	aR	(mm)	(A)
RO14	RS14	8.5 x 31.5	1, 2, 4, 6, 10, 16, 20
RO14A	RS14A	8.5 x 23	1, 2, 4, 6, 10, 16, 20
RO15	RS15	10 x 38	2, 4, 6, 10, 16, 20, 25, 32
RO16	RS16	14 x 51	2, 4, 6, 10, 16, 20, 25, 32, 40, 50, 63
RO17	RS17	22 x 58	10, 16, 20, 25, 32, 40, 50, 63, 80, 100
RO21	RS21	DII	2, 4, 6, 8, 10, 13, 16, 20, 25
RO22	RS22	DIII	35, 40, 50, 63
RO26	RS26	D01	2-6, 10, 16
		D02	20, 25, 35, 50, 63
		D03	80, 100



RO26

Fuse Holder

1. Specifications

Current	32A	63A
No. of poles	1P+N, 3P, 3P+N	1P, 1P+N, 2P, 3P, 3P+N
Size of fuse link	D02	

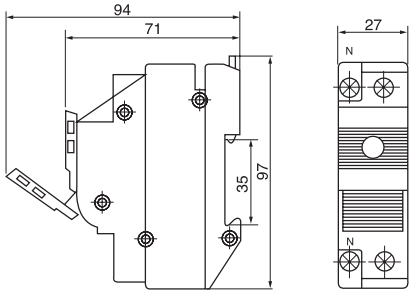


RD18-32 1P+N 32A

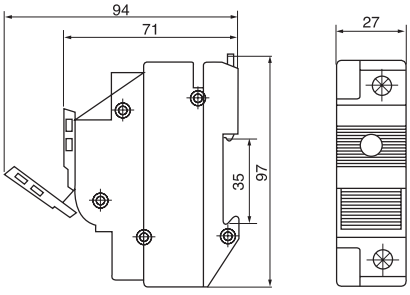


RD18-63 3P 63A

2. Outline and Installation Dimension (mm)



32A 1P+N



63A 1P

Model	Current	No.of poles	Conductor cross-section mm²	No. of spacing units per 18mm
RD18-32	32A	1P+N	1.5-16	1.5
	32A	3P	1.5-16	4
RD18-63	63A	1P	1.5-16	1.5
	63A	1P+N	1.5-16	3
	63A	2P	1.5-16	3
	63A	3P	1.5-16	4
	63A	3P+N	1.5-16	6

Fuse Holder



RT18-32 1P



RT18-32X 2P



RT18-63X 3P



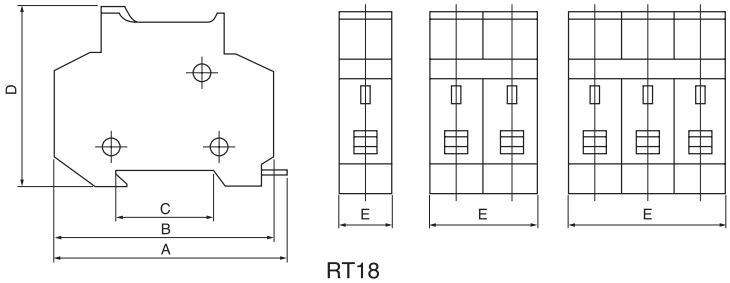
RT18L



HG30

RT18

Type	Assorted Fuse	Rated Voltage (V)	Rated Current (A)	Weight (kg)	Dimension (mm)				
					A	B	C	D	E
RT18-32 1P	10 x 38	380	32	0.075	82	78	35	63	18
RT18-32 2P			32	0.15	82	78	35	63	36
RT18-32 3P			32	0.22	82	78	35	63	54
RT18-63 1P	14 x 51		63	0.18	106	103	35	80	26
RT18-63 2P			63	0.36	106	103	35	80	52
RT18-63 3P			63	0.54	106	103	35	80	78
RT18-32X 1P	10 x 38		32	0.075	82	78	35	63	18
RT18-32X 2P			32	0.15	82	78	35	63	36
RT18-32X 3P			32	0.22	82	78	35	63	54
RT18-63X 1P	14 x 51		63	0.18	106	103	35	80	26
RT18-63X 2P			63	0.36	106	103	35	80	52
RT18-63X 3P			63	0.54	106	103	35	80	78



RT18

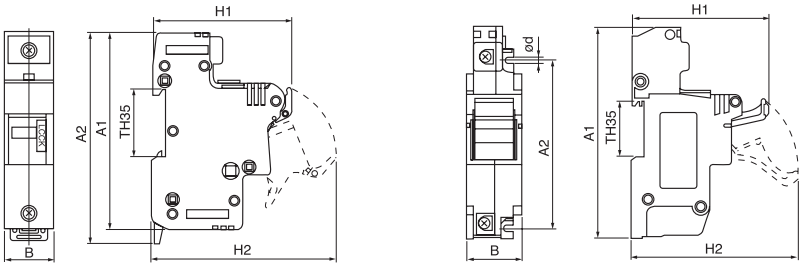
RT18L

Type	Assorted Fuse	Number of Poles	Rated Insulation Voltage (V)	Conventional heating current (A)	Dimension (mm)				
					A1	A2	B	H1	H2
RT18L-63	14 x 51	1, 2, 3, 4	690	63	108	115	27	78	100
RT18L-125	22 x 58			125	126	134	36	78	104

HG30

Type	Assorted Fuse	Number of Poles	Rated Insulation Voltage (V)	Conventional heating current (A)	Dimension (mm)					
					A1	A2	B	H1	H2	ød
HG30-63	14 x 51	1, 2, 3, 4	500	63	107	80	27	80	102	4.5
HG30-125	22 x 58			125	140	110	36	90	109	4.5

Dimension



RT18L HG30

J Fuse Link

1. Specifications



J Type

size	Rated current (A)
76mm 3”	20 35 32 40 50 63 80 100 125 160 200
83mm 3 1/4”	20 25 32 40 50 63 80 100 125 160 200 250 315 355 400
92mm 3 5/8”	20 25 32 40 50 63 80 100 125 160 200 250 315 355 400 450 500 560 630 800

Fuse Base

1. Specifications



RL6-25 RL6-63

Model	RL6-25	RL6-63
Rated Voltage	500V	500V
Rated Current of Fuse	25A	63A
Rated Current of Fusant	2,4,6,10,16,20,25A	35,50,63A
Rated Breaking Current	50KA cosø=0.1-0.2kg	50KA cosø=0.1-0.2kg
Overall dimension	66 x 43 x 80	89 x 54 x 82
Weight	0.20kg	0.25kg

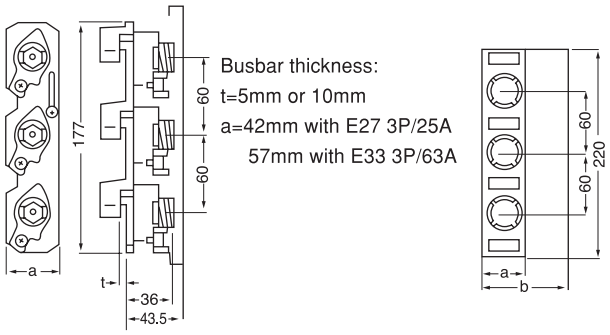
2. Outline and Installation Dimension (mm)



E27 3P

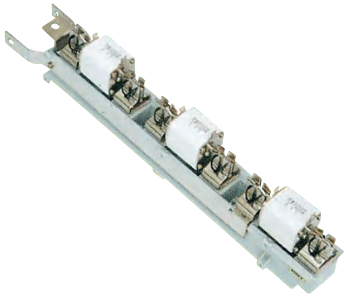


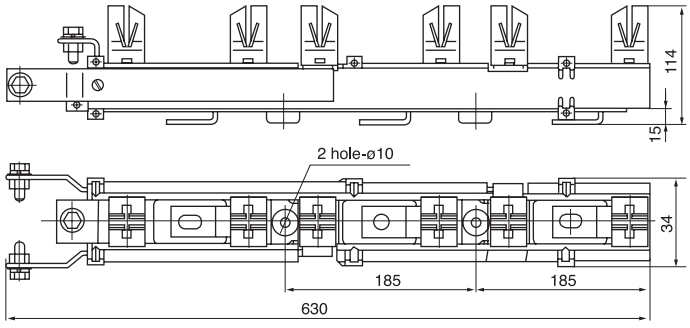
E33 3P



Size	a(1x)	b(2x)
E27 3P	42	84
E33 3P	57	114

E27 3P/E33 3P Vertical type





NT2-3J



Photovoltaic Fuse

ADL-10PV ADLPV1038

1A-32 1000V DC

Fuse Size: 10x35mm

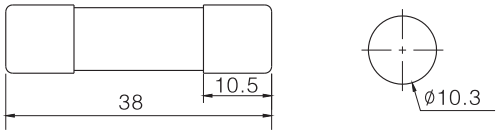
Class of Operation: gPV

Standard: UL248-19 IEC 60269-6

Breaking Capacity: 20kA

Time Constant: 1-3ms

Dimensions-mm



ADL-10PV

Photovoltaic Fuse

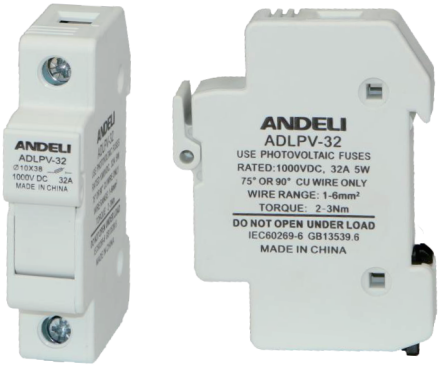
ADLPV-32 32A 1000V DC (10*38)

Rated Voltage: 1000V.dc;

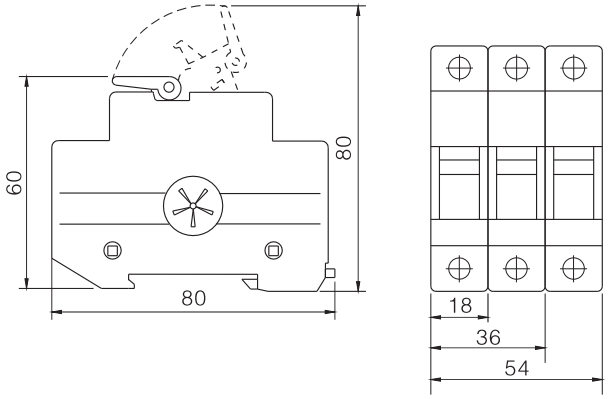
Class of Operation: gPV

Standard: UL4248-19 IEC 60269-6

Dimensions-mm



ADLPV-32



ADLPV-32



Photovoltaic Fuse

ADLPV-32L ADLPV1085 2-32A 1500V DC

ADLPV-63L ADLPV1485 30-50A 1500V DC

Fuse Size: 10x85mm/14x85mm

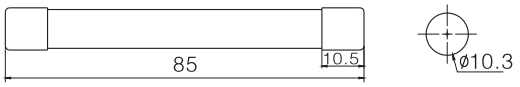
Class ofOperation: gPV

Standard: UL248-19IEC60269-6

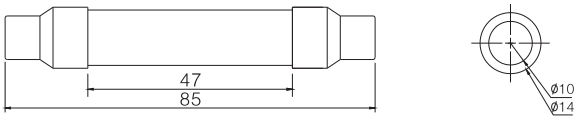
Breaking Capacity: 20kA

Time Constant: 1-3ms

Dimensions-mm



ADLPV1085



ADLPV1485

Photovoltaic Fuse

ADLPV-63T 50A 1500V DC(10/14X85)

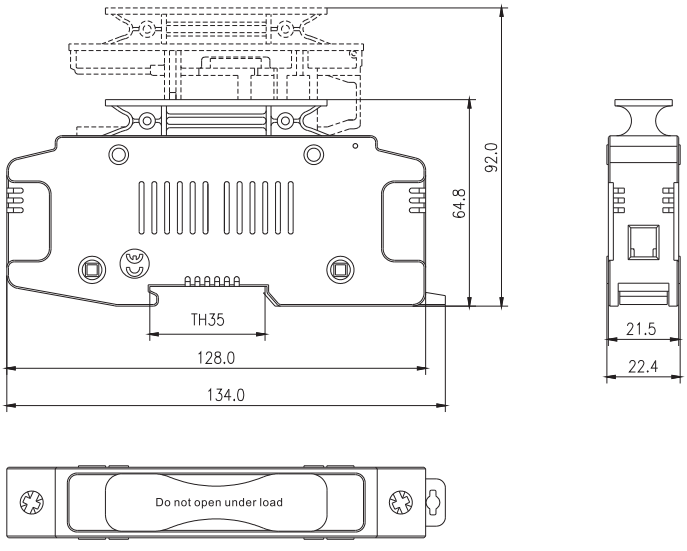
Rated Voltage: 1500V.dc;

Class ofOperation: gPV

Standard: UL4248-19 IEC 60269-6



ADLPV-63T

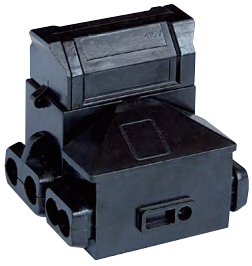


ADLPV-63T

Cut Out Fuse



60# 60/80A



100# 1P+N 100A

1. Application

FS cutouts are made of high grade phenolic moulding power having high mechanical and dielectric strength. The body possesser non-hygroscopic and non-trackong qualities. Terminal contacts are of tinned brass with phosphor bronze back up compression spring capable of providing flawless service even after years of use.

It has features like: all components are inter-locked. Sealing provision to aviod unauthorised access. Common body from 15amps to 100amps. Terminal are suitable for aluminium/copper conductors upto35sp.mm loop in and loop out cabling contacts available.

FS insulated service cutouts conform to BS 1361.1986 standard SR H fuses conform to BS1361.1986. The available current is 60#60/80A, 100#60/80A, 100#100A, 100#1P+N 60/80A, 100#1P+N 100A.

Isolating Switch Fuse

1. Application

The product is used in distribution circuit and motor circuit of current 50Hz, rated operational frequency 660V under, and rated current 100-630A, also used in high-short-circuit as power switch, isolating switch and emergency switch protecting circuit. Fitted with NT(RT16)fuse. It conforms to IEC60947-3.



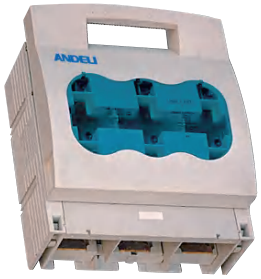
HR5

2. Specification

Model		100	200	400	630
Number of Main Poles		3			
Rated Insulation Voltage AC (V)		690			
Rated Operational Voltage (V)					
Rated Operational Current (A)	380V AC-23	100	200	400	630
	660V AC-22	100			
Rated Making Capacity	380V cosø0.35 AC-23		10		
	660V cosø0.65 AC-22	3			
Rated Breaking Capacity	380V cosø0.35 AC-23	8	8		
	660V cosø0.65 AC-22	3			
Rated Fused Short Circuit Current (KAr.m.s)	380V AC-23	100			
	660V AC-22				
Max.Fuse-Link (A)		160	250	400	630
Fuse Type (NT0)					
Mechanical Endurance/Electrical Endurance (Operations)		3000		1000	
Auxiliary Switch (380V AC-15)VA		300			

Fuse Disconnector

1. Specifications



HR17 3P

Switch Rating Heat Current (A)	Number of Poles	Assorted Fuse	Rated Current (A)
160	3, 4	NT00	4,6,10,16,20,25,32,35,40,50,63,80,100,125,160
250		NT1	80,100,125,160,200,224,250
400		NT2	125,160,200,224,250,300,315,355,400
630		NT3	315,335,400,425,500,630

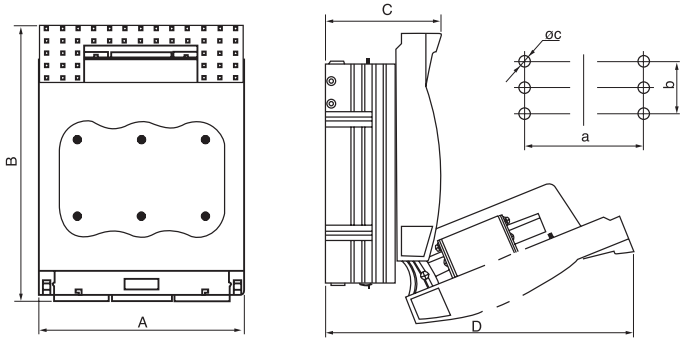
2. Outline and Installation Dimension (mm)

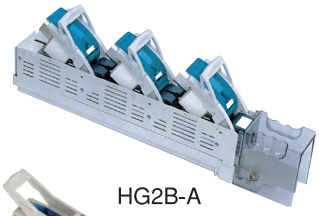


HR17 4P

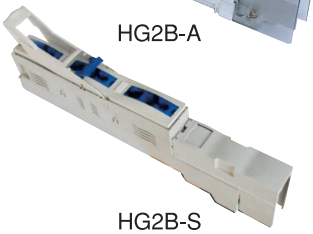
HR17

Model	Assorted Fuse	A	B	C	D	a	b	øc
HR17-160/30	NT00	106	200	83	205	66	25	ø7
HR17-250/30	NT1	185	247	110	295	114	50	ø11
HR17-400/30	NT2	210	290	125	340	130	50	ø11
HR17-630/30	NT3	256	300	145	360	162	50	ø11
HR17-160/40	NT00	138	200	83	205	100	25	ø7
HR17-250/40	NT1	242	247	110	295	172	50	ø11
HR17-400/40	NT2	276	290	125	340	195	50	ø11
HR17-630/40	NT3	340	300	145	360	243	50	ø11





HG2B-A



HG2B-S

HG2B Fuse Disconnector

1.Specifications

Model	Assorted Fuse	Switch Rating Heat Current (A)	Rated Current (A)
HG2B-160A	NT00	160	4,6,10,16,20,25,32,35,40,50,63,80,100,125,160
HG2B-250A	NT1	250	80,100,125,160,200,224,250
HG2B-400A	NT2	400	125,160,200,224,250,300,315,355,400
HG2B-630A	NT3	630	315,335,400,425,500,630

ADOT Series disconnector switches

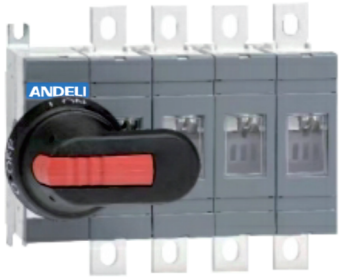


ADOT250E03K

1 Scope of application

ADOT disconnectors are widely used as the main switches in the motor control centers of various low-voltage switch cabinets, as well asIn power boxes, cable distribution boxes and floor distribution boxes that do not require short-circuit protection or overheat protection, they can also be used as various typesThe ground disconnector of the motor and the maintenance switch of other electrical equipment can also be applied to the solar energy systemAll levels of combiner boxes, inverters and battery systems provide solutions for the isolation of the system's disconnectors.This product features a novel design, compact size, powerful functions, a visual window, and a padlock handle for liftingFor the most reliable security guarantee, it can adapt to all kinds of harsh environments. Even in closed conditions, there is no need to consider capacity reduction.It can also provide 1 to 8-level switches, with a modular design, making installation more flexible and convenient.

2 The meaning of product model



ADOT250E04P

AD OT □ E □ P

- P: Installation method: P With cabinet door installation handle K With a direct installation handle
- □: The position and number of poles of the operating mechanism
  03:3 pole is on the left side of the mechanism
  04:4 pole is on the left side of the mechanism
  12:3 pole distribution mechanism on both sides
  22:4 pole distribution mechanism on both sides
- E: Operation mode: Front operation in accordance with IEC standards
- □: Current rating(A)
  160A/200A/250A/315A/400A/630A/800A
- OT: Model of disconnector
- AD: Enterprise code

3 Product installation

The rotating shaft can be extended and retracted to adjust its length, and there is no need to precisely cut the length of the rotating shaft. The accessories can be directly clamped, and the terminalsThe position is designed to accommodate dual cables. The two small-sized cables are easier to bend, reducing the space requirements.The installation and fixing feet of the switch can be adjusted in Angle. When installing, it can be fixed on the upper or side of the switch.



ADOT400E13P

4 Electrical characteristics

The high short-circuit current withstand capacity protection switch can reliably cut off currents up to 80KA, and the switch is installed in the enclosureIn a closed environment, there is no need to derating its rated current.

5 Protection and working voltage

The visible contact enables users to see the actual position of the contact, avoiding operational errors and assisting in the control of the contactThe cables can be installed in the cable trough of the switch and be properly protected.
It meets the working voltages of 3P/4P AC 400V/690V/1140V.2P DC 110V/220V, 3P/4P DC 440V/660V working voltage.

6 Meet the standards: IEC60947-3



ADOT630E04K

7 Main parameters and technical performance

Agreed heating current Ith		160	200	250	315	400	630	800
Rated insulation voltage Ui		1000V						
Dielectric strength		10KV						
Rated impulse withstand voltage		12KV						
Minimum cross-sectional area of cable (mm^2)		80	95	120	185	240	2x185	2x240
Rated power AC-23	230V	55	60	75	100	110	140	160
	415V	90	110	140	160	220	260	310
	690V	170	190	220	280	310	360	400
Rated breaking capacity AC-23	≤500V	1400	1600	2000	2500	3200	5040	6400
	690V	1400	1600	2000	2500	3200	5040	6400
Rated limit short-circuit current Ip(R.M.S) 500V		40.5			61.5		90	
Maximum OFA fuse specificat-iong G/aM		355/315			500/450		800/1000	
Rated short-time withstand current R.M.S value Icw	690V/0. 25s	15			24		35	36
	690V/1s	8			15		25	20
	690V	30			65		80	80
Mechanical life (times)		20000			16000		10000	
Weight (without accessories) : 3-level switch kg		1.2			2.2		5.1	
Terminal bolt specification: Diameter x length (mm)		M8x25			M8x30		M12x40	

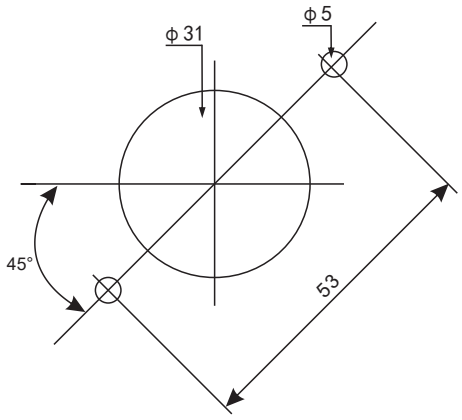
8 Installation dimensions of cabinet door handles



Applicable to 160-250A



6x6x185mm





Applicable to 315-400A



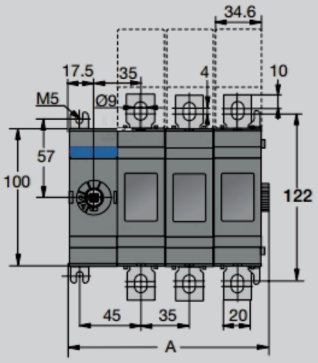
Applicable to 630-800A

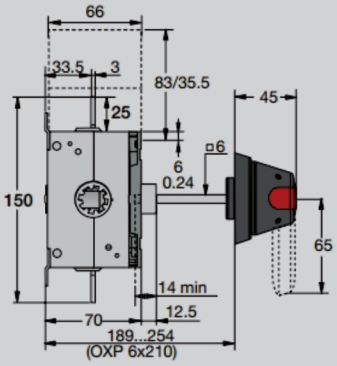


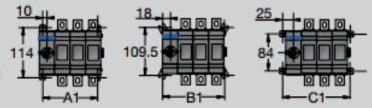
12x12x185mm

9 Shape and installation dimensions (operated outside the cabinet)

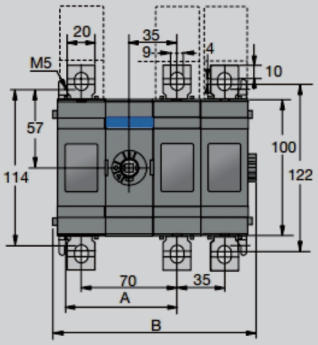
9.1 External dimensions and installation dimensions of ADOT160-250 disconnector

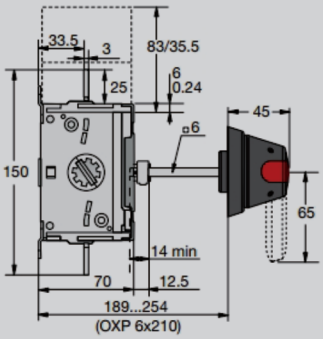


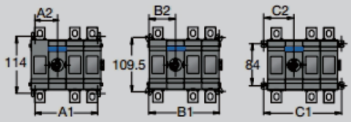




	E01	E02	E03	E04
A	75.5	110.5	145.5	180.5
A1	55	90	125	160
B1	71	106	141	176
C1	85	120	155	190

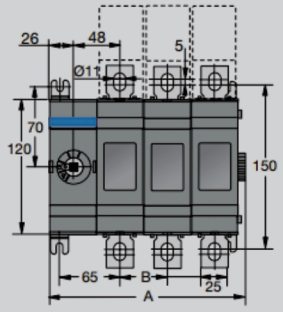


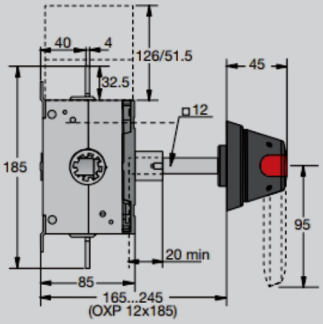


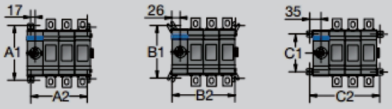


	E11	E12	E13	E22	E23	E33
A	80	80	80	115	115	150
B	115.5	150.5	185.5	185.5	220.5	255.5
A1	90	125	160	160	195	230
A2	45	45	45	80	80	115
B1	106	141	141	176	211	246
B2	53	53	53	88	88	123
C1	120	155	190	190	225	260
C2	60	60	60	95	95	130

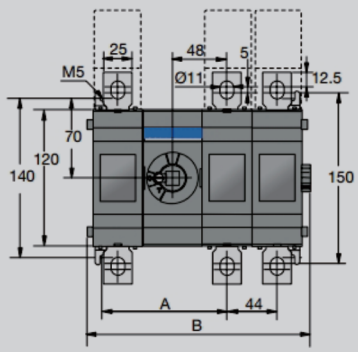
9.2 External Dimensions and Installation Dimensions of ADOT315-400 disconnector

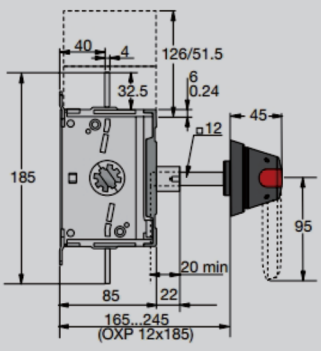


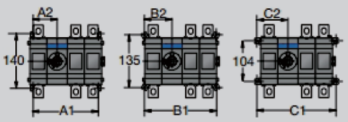




	E01	E02	E03	E04
A	103	147	191	235
B	-	44	44	44
A1	140	140	140	140
A2	78	122	166	210
B1	135	135	135	135
B2	96	140	184	228
C1	104	104	104	104
C2	114	158	202	246

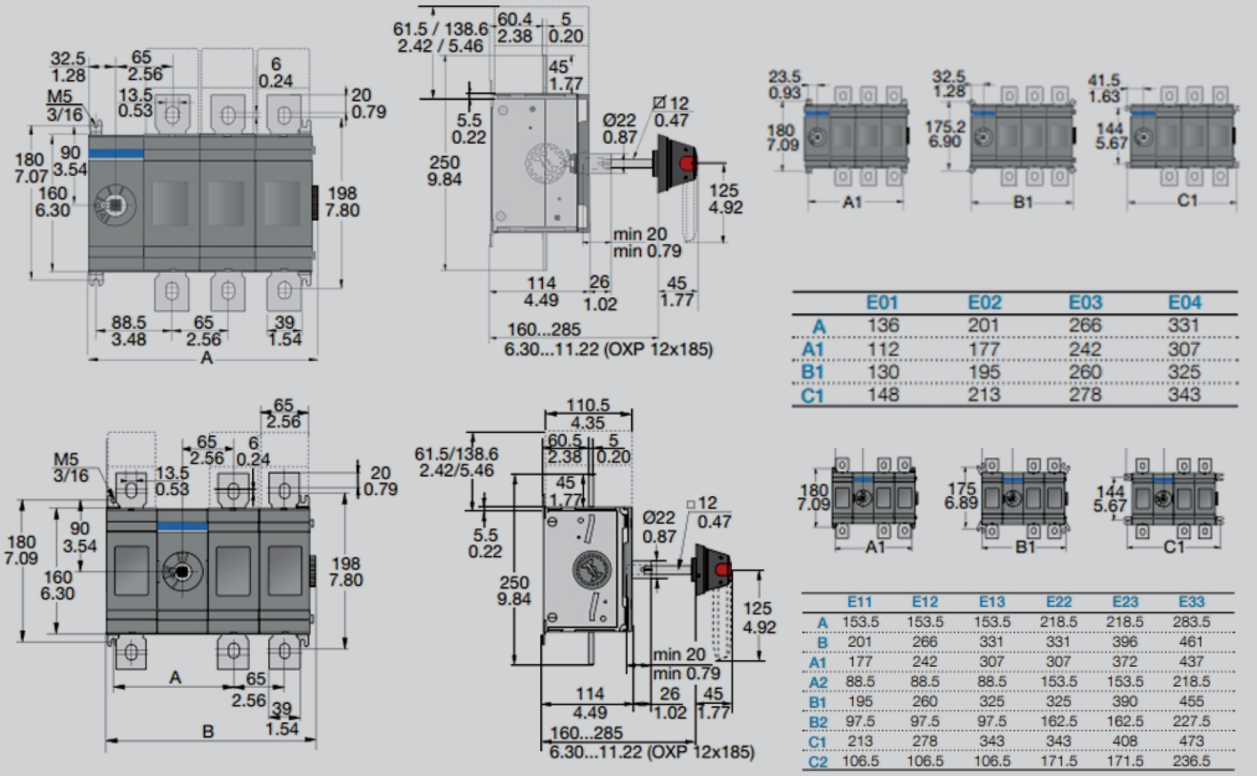






	E11	E12	E13	E22	E23	E33
A	109	109	109	153	153	197
B	152	196	240	240	284	328
A1	122	166	210	210	254	298
A2	61	61	61	105	105	149
B1	140	184	228	228	272	316
B2	70	70	70	114	114	158
C1	158	202	246	246	290	334
C2	79	79	79	123	123	167

9.3 External dimensions and installation dimensions of ADOT600-800 disconnector



	E01	E02	E03	E04
A	136	201	266	331
A1	112	177	242	307
B1	130	195	260	325
C1	148	213	278	343

	E11	E12	E13	E22	E23	E33
A	153.5	153.5	153.5	218.5	218.5	283.5
B	201	266	331	331	396	461
A1	177	242	307	307	372	437
A2	88.5	88.5	88.5	153.5	153.5	218.5
B1	195	260	325	325	390	455
B2	97.5	97.5	97.5	162.5	162.5	227.5
C1	213	278	343	343	408	473
C2	106.5	106.5	106.5	171.5	171.5	236.5

The new type of disconnector switch adopts a brand-new contact system and a smaller frame, which can effectively meet the requirements of breaking and isolation, replacing knife switches and disconnectors, and further upgrading and improving the product.

High Voltage Cutout



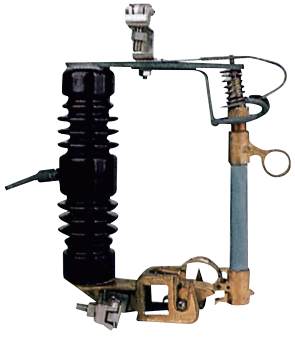
12KV-15KV



15KV-18KV



24KV



33KV-35KV

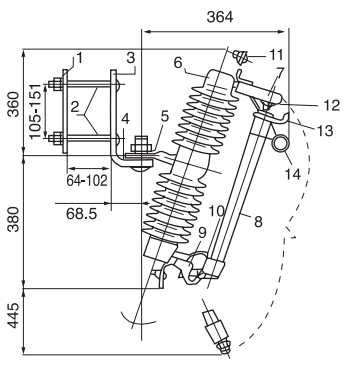
1. Description

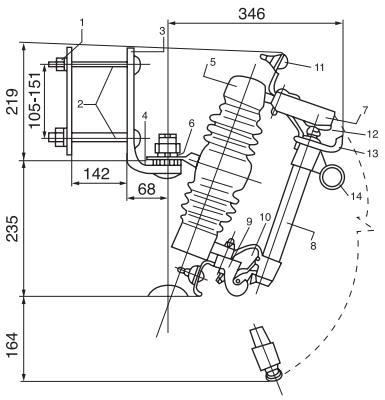
- Mounting Bracket
- Long Bolts
- Mounting Bracket
- External-Tooth Lock Washer
- Porcelain Insulator
- Lock Washer
- Upper Connection
- Fuse Holder
- Lower Connection
- Lifting Eye
- Connectors
- Steady Contacts
- Load Break Tool Attack Hook
- Opening Eye

2. Specification

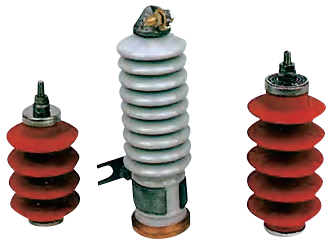
Type	Rated Voltage (kV)	Rated Current (A)	Breaking Current (A)	Impulse Voltage (BIL)	Power-Frequency Withstand Voltage (kV)	Crawling Distance	Weight (kg)
RS-7	15	100	10000	110	42	230m/m	7
RS-7	15	100	12000	110	42	230m/m	7
RH-8	15	100	10000	110	42	230m/m	7.3
RH-8	15	100	12000	110	42	230m/m	7.3
RH-C	15	100	10000	110	42	320m/m	7.5
RH-C	15	100	12000	110	42	320m/m	7.5
RH-A	35	100	6000	180	70	800m/m	25
RH-A	35	100	8000	180	70	800m/m	25
R-98	18	100	8000	125	45	340m/m	8.8
R-98	18	100	10000	125	45	340m/m	8.8
R-97	24	100	8000	150	50	500m/m	12
R-97	24	100	10000	150	50	500m/m	12
RH-8	35	100	6000	170	70	660m/m	15
RH-8	35	100	8000	170	70	660m/m	15
RW10-10F/100	12	100	6300	70	42	230m/m	7
RW10-10F/100	12	200	6300	70	42	230m/m	7
RW11-10F-100	12	100	6300	70	42	330m/m	3.5
RW11-10F/100	12	200	6300	70	42	330m/m	3.5
PRWG-10F/100	12	100	6300	70	42	340m/m	8.5
PRWG-10F/100	12	200	6300	70	42	340m/m	8.5

3. Outline and Installation Dimension (mm)





Lightning Arrester

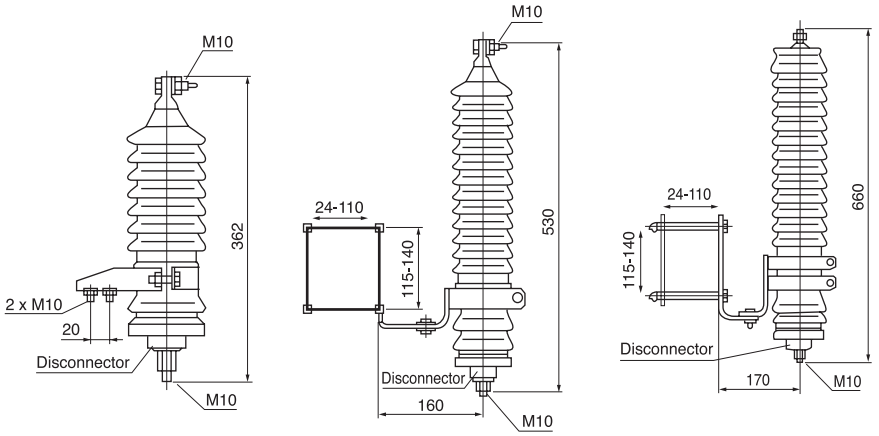


YHWS1

1. YHWS1 Lightning Arrester

Type	System Rated Voltage (kV)	Lightning Arrester Rated voltage (kV)	Lightning Arrester Continuous Operating Voltage (kV)	DC 1mA Voltage (kV)	Nominal Discharge Current Wire (kV)	Square Wage Impulse Current Endurance (A)
YHWS-3.8/17	3	3.8	2.0	7.5	17	100
YHWS-7.3/30	6	7.6	4.0	15	30	100
YHWS-10/30	6	10	4.0	15	30	100
YHWS-12.7/50	10	12.7	6.6	25	50	100
YHWS-17/45	10	17	12.7	25	50	100

2. Outline and Installation Dimension (mm)





Y5C-Y10C

3. Y5C-Y10C Lightning Arrester

Type	Rated Voltage (kV)	Power Frequency Discharge Current ≤kV	Impulse Discharge Voltage ≥kV	8/20 μS Residual Voltage for Lightning Impulse ≤kV	Square Wave Through Discharge (A)	8/20 μS Impulse Max Current 20 Times (kV)	Front-of-Wave Impulse Max Sparkover Voltage (kV)
Y5C-15	15	26	47	57	100	40	47
Y10C-15	15	26	43	51	150	65	43
Y5C-18	18	33	48	57	100	40	66
Y10C-18	18	33	48	60	200	65	70
Y5C-24	24	40	66	80	100	40	88
Y10C-24	24	40	66	80	200	65	92
Y5C-33	33	56	100	123	100	40	100
Y10C-33	33	56	93	113	200	65	93
Y5C-36	36	61	106	133	100	40	106
Y10C-36	36	61	99	120	200	65	99

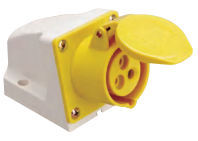
Industrial Plug & Socket & Weather Protected & Isolating Switch Portable Powerhouse Boards & Distribution Box



PC Plug Socket Coupling..... 109-119
Socket Outlets.....120
Combination Switched Sockets.....121-123
Mounting Enclosures(Back Boxes).....124
Plugs.....125-126
Switchgear Cover Assemblies.....127
Weather Protected Isolating Switches.....128
Switch & Push Button Box(Indoor Use).....129
HT Series Distribution Box.....130
HA Series Distribution Box.....131
Distribution Box.....132-134
Water Proof Enclosure.....135
JXF Waterproof Panel Board.....136-138
Fiberglass Box.....139

PC Plug Socket Coupling

1. Technical data

	Model	Poles	Voltage	Amp
 013/023	012	2P	220V-250V~	16A
	013-4	2P+E	110V-130V~	16A
	013	2P+E	220V-250V~	16A
 014/024	014	3P+E	380V-415V~	16A
	015	3P+N+E	220V-380V	16A
	023-4	2P+E	110V-130V~	32A
 034/044	023	2P+E	220V-250V~	32A
	024	3P+E	380V-415V~	32A
	025	3P+N+E	240V-415V~	32A
 113/123	033	2P+E	220V-250V~	63A
	034	3P+E	380V-415V~	63A
	035	3P+N+E	220V-380V~	63A
 114/124	043	2P+E	220V-250V~	125A
	044	3P+E	380V-415V~	125A
	045	3P+N+E	240V-415V~	125A
 113-4/123-4	113-4	2P+E	110V-130V~	16A
	113	2P+E	220V-250V~	16A
	114	3P+E	380V-415V~	16A
	115	3P+N+E	220V-380V~	16A

	Model	Poles	Voltage	Amp
 123 / IP67	123-4	2P+E	110V-130V~	32A
	123	2P+E	220V-250V~	32A
	124	3P+E	380V-415V~	32A
 115/125	125	3P+N+E	240V-415V~	32A
	133	2P+E	220V-250V~	63A
	134	3P+E	380V-415V~	63A
 133/143	135	3P+N+E	220V-380V~	63A
	143	2P+E	220V-250V~	125A
	144	3P+E	380V-415V~	125A
 135/145	145	3P+N+E	240V-415V~	125A
	213-4	2P+E	110V-130V~	16A
	213	2P+E	220V-250V~	16A
 214/224	214	3P+E	380V-415V~	16A
	215	3P+N+E	240V-415V~	16A
	223-4	2P+E	110V-130V~	32A
 233/243	223	2P+E	220V-250V~	32A
	224	3P+E	380V-415V~	32A
	225	3P+N+E	240V-415V~	32A
	233	2P+E	220V-250V~	63A

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp
 235/245	234	3P+E	380V-415V~	63A
	235	3P+N+E	220V-380V~	63A
	243	2P+E	220V-250V~	125A
	244	3P+E	380V-415V~	125A
	245	3P+N+E	240V-415V~	125A
 313/323	313-4	2P+E	110V-130V~	16A
	313	2P+E	220V-250V~	16A
	314	3P+E	380V-415V~	16A
	315	3P+N+E	220V-380V~	16A
 313-4/323-4	323-4	2P+E	110V-130V~	32A
	323	2P+E	220V-250V~	32A
	324	3P+E	380V-415V~	32A
	325	3P+N+E	220V-380V~	32A
 333/343	333	2P+E	220V-250V~	63A
	334	3P+E	380V-415V~	63A
	335	3P+N+E	220V-380V~	63A
	343	2P+E	220V-250V~	125A
 413-4/423-4	344	3P+E	380V-415V~	125A
	345	3P+N+E	220V-380V~	125A
	413-4	2P+E	110V-130V~	16A

	Model	Poles	Voltage	Amp
 413/423	413	2P+E	220V-250V~	16A
	414	3P+E	380V-415V~	16A
	415	3P+N+E	220V-380V~	16A
	423-4	2P+E	110V-130V~	32A
 415/425	423	2P+E	220V-250V~	32A
	424	3P+E	380V-415V~	32A
	425	3P+N+E	240V-415V~	32A
 513/523	513	2P+E	220V-250V~	16A
	514	3P+E	380V-415V~	16A
	515	3P+N+E	220V-380V~	16A
 514/524	523	2P+E	220V-250V~	32A
	524	3P+E	380V-415V~	32A
	525	3P+N+E	240V-415V~	32A
	613	2P+E	220V-250V~	16A
 614/624	614	3P+E	380V-415V~	16A
	615	3P+N+E	220V-250V~	16A
	623	2P+E	220V-250V~	32A
	624	3P+E	380V-415V~	32A
 0132/0232	625	3P+N+E	240V~415V	32A
	0132	2P+E	220V-250V~	16A

PC Plug Socket Coupling



0152/0252



1012-4



1013-4



1013



1152/1252

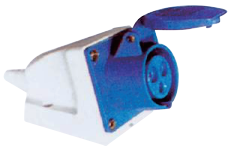
Model	Poles	Voltage	Amp
0142	3P+E	380V-415V~	16A
0152	3P+N+E	220V-380V~	16A
0232	2P+E	220V~250V~	32A
0242	3P+E	380V~415V~	32A
0252	3P+N+E	240V-415V~	32A
1012-4	2P+E	220V~	16A
1012	2P+E	220V~	16A
1013-4	2P+E	220V~	16A
1013	2P+E	220V~	16A
1132	2P+E	220V-250V~	16A
1232	2P+E	220V-250V~	32A
1142	3P+E	380V-415V~	16A
1242	3P+E	380V-415V~	32A
1152	3P+N+E	220V-380V~	16A
1252	3P+N+E	240V-415V~	32A
2132	2P+E	220V-250V~	16A
2232	2P+E	220V-250V~	32A
2142	3P+E	380V-415V~	16A
2242	3P+E	380V-415V~	32A
2152	3P+N+E	220V-380V~	16A



2152/2252



013L-4/023L-4



113L/123L



213L-4 / 223L-4



214L/224L

Model	Poles	Voltage	Amp
2252	3P+N+E	240-415V~	32A
013L-4	2P+E	110V-130V~	16A
013L	2P+E	220V-250V~	16A
014L	3P+E	380V-415V~	16A
015L	3P+N+E	220V-380V~	16A
023L-4	2P+E	110V-130V~	32A
023L	2P+E	220V-250V~	32A
024L	3P+E	380V-415V~	32A
025L	3P+N+E	240V-514V~	32A
113L-4	2P+E	110V-130V~	16A
113L	2P+E	220V-250V~	16A
114L	3P+E	380V-415V~	16A
115L	3P+N+E	240V-415V~	16A
123L-4	2P+E	110V-130V~	32A
123L	2P+E	220V-250V~	32A
124L	3P+E	380V-415V~	32A
125L	3P+N+E	240V-415V~	32A
213L-4	2P+E	110V-130V~	16A
213L	2P+E	220V-250V~	16A
214L	3P+E	380V-415V~	16A

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp
 013n/023n	215L	3P+N+E	220V-380V~	16A
	223L-4	2P+E	110V-130V~	32A
	223L	2P+E	220V-250V~	32A
	224L	3P+E	380V-415V~	32A
	225L	3P+N+E	240V-514V~	32A
 014n/024n	013n-4	2P+E	110V-130V~	16A
	013n	2P+E	220V-250V~	16A
	014n	3P+E	380V-415V~	16A
	015n	3P+N+E	220V-380V~	16A
 015n/025n	023n-4	2P+E	110V-130V~	32A
	023n	2P+E	220V-250V~	32A
	024n	3P+E	380V-415V~	32A
	025n	3P+N+E	240V-415V~	32A
 013n-4/023n-4	113n-4	2P+E	110V-130V~	16A
	113n	2P+E	220V-250V~	16A

	Model	Poles	Voltage	Amp
 115n/125n	114n	3P+E	380V-415V~	16A
	115n	3P+N+E	240V-415V~	16A
	123n-4	2P+E	110V-130V~	32A
	123n	2P+E	220V-250V~	32A
 123n / IP44	124n	3P+E	380V-415V~	32A
	125n	3P+N+E	240V-415V~	32A
	213n-4	2P+E	110V-130V~	16A
	213n	2P+E	220V-250V~	16A
 214n/224n	214n	3P+E	380V-415V~	16A
	215n	3P+N+E	220V-380V~	16A
	223n-4	2P+E	110V-130V~	32A
	223n	2P+E	220V-250V~	32A
 105-02HC	224n	3P+E	380V-415V~	32A
	225n	3P+N+E	240V-415V~	32A
	105-02HC	2P+E	220V-250V~	16A



105-02HP



105-02HL



1132/1232 IP67

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp		Model	Poles	Voltage	Amp
	1301-4	2P+E	110V	16A		3321-4	2P+E	110V	32A
	1301		230V			3321		230V	
	1301-9		400V			3321-9		400V	
	1401-4	3P+E	110V			3421-4	3P+E	110V	
	1401-9		230V			3421-9		230V	
	1401		400V			3421		400V	
	1501-4	3P+N+E	110V			3521-4	3P+N+E	110V	
	1501-9		230V			3521-9		230V	
	1501		400V			3521		400V	
	3301-4	2P+E	110V	32A		6321-4	2P+E	110V	63A
	3301		230V			6321		230V	
	3301-9		400V			6321-9		400V	
	3401-4	3P+E	110V			6421-4	3P+E	110V	
	3401-9		230V			6421-9		230V	
	3401		400V			6421		400V	
	3501-4	3P+N+E	110V			6521-4	3P+N+E	110V	
	3501-9		230V			6521-9		230V	
	3501		400V			6521		400V	
	6301-4	2P+E	110V	63A		1361-4	2P+E	110V	16A
	6301		230V			1361		230V	
	6301-9		400V			1361-9		400V	
	6401-4	3P+E	110V			1461-4	3P+E	110V	
	6401-9		230V			1461-9		230V	
	6401		400V			1461		400V	
	6501-4	3P+N+E	110V			1561-4	3P+N+E	110V	
	6501-9		230V			1561-9		230V	
	6501		400V			1561		400V	
	1321-4	2P+E	110V	16A		3361-4	2P+E	110V	32A
	1321		230V			3361		230V	
	1321-9		400V			3361-9		400V	
	1421-4	3P+E	110V			3461-4	3P+E	110V	
	1421-9		230V			3461-9		230V	
	1421		400V			3461		400V	
	1521-4	3P+N+E	110V			3561-4	3P+N+E	110V	
	1521-9		230V			3561-9		230V	
	1521		400V			3561		400V	

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp		Model	Poles	Voltage	Amp
	6361-4	2P+E	110V	63A		1331-4	2P+E	110V	16A
	6361		230V			1331		230V	
	6361-9		400V			1331-9		400V	
	6461-4	3P+E	110V			1431-4	3P+E	110V	
	6461-9		230V			1431-9		230V	
	6461		400V			1431		400V	
	6561-4	3P+N+E	110V			1531-4	3P+N+E	110V	
	6561-9		230V			1531-9		230V	
	6561		400V			1531		400V	
	1351-4	2P+E	110V	16A		3331-4	2P+E	110V	32A
	1351		230V			3331		230V	
	1351-9		400V			3331-9		400V	
	1451-4	3P+E	110V			3431-4	3P+E	110V	
	1451-9		230V			3431-9		230V	
	1451		400V			3431		400V	
	1551-4	3P+N+E	110V			3531-4	3P+N+E	110V	
	1551-9		230V			3531-9		230V	
	1551		400V			3531		400V	
	3351-4	2P+E	110V	32A		6331-4	2P+E	110V	63A
	3351		230V			6331		230V	
	3351-9		400V			6331-9		400V	
	3451-4	3P+E	110V			6431-4	3P+E	110V	
	3451-9		230V			6431-9		230V	
	3451		400V			6431		400V	
	3551-4	3P+N+E	110V			6531-4	3P+N+E	110V	
	3551-9		230V			6531-9		230V	
	3551		400V			6531		400V	
	6351-4	2P+E	110V	63A		1341-4	2P+E	110V	16A
	6351		230V			1341		230V	
	6351-9		400V			1341-9		400V	
	6451-4	3P+E	110V			1441-4	3P+E	110V	
	6451-9		230V			1441-9		230V	
	6451		400V			1441		400V	
	6551-4	3P+N+E	110V			1541-4	3P+N+E	110V	
	6551-9		230V			1541-9		230V	
	6551		400V			1541		400V	

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp		Model	Poles	Voltage	Amp
	3341-4	2P+E	110V	32A		6311-4	2P+E	110V	63A
	3341		230V			6311		230V	
	3341-9		400V			6311-9		400V	
	3441-4	3P+E	110V			6411-4	3P+E	110V	
	3441-9		230V			6411-9		230V	
	3441		400V			6411		400V	
	3541-4	3P+N+E	110V			6511-4	3P+N+E	110V	
	3541-9		230V			6511-9		230V	
	3541		400V			6511		400V	
	6341-4	2P+E	110V	63A		1302-4	2P+E	110V	16A
	6341		230V			1302		230V	
	6341-9		400V			1302-9		400V	
	6441-4	3P+E	110V			1402-4	3P+E	110V	
	6441-9		230V			1402-9		230V	
	6441		400V			1402		400V	
	6541-4	3P+N+E	110V			1502-4	3P+N+E	110V	
	6541-9		230V			1502-9		230V	
	6541		400V			1502		400V	
	1311-4	2P+E	110V	16A		3302-4	2P+E	110V	32A
	1311		230V			3302		230V	
	1311-9		400V			3302-9		400V	
	1411-4	3P+E	110V			3402-4	3P+E	110V	
	1411-9		230V			3402-9		230V	
	1411		400V			3402		400V	
	1511-4	3P+N+E	110V			3502-4	3P+N+E	110V	
	1511-9		230V			3502-9		230V	
	1511		400V			3502		400V	
	3311-4	2P+E	110V	32A		6302-4	2P+E	110V	63A
	3311		230V			6302		230V	
	3311-9		400V			6302-9		400V	
	3411-4	3P+E	110V			6402-4	3P+E	110V	
	3411-9		230V			6402-9		230V	
	3411		400V			6402		400V	
	3511-4	3P+N+E	110V			6502-4	3P+N+E	110V	
	3511-9		230V			6502-9		230V	
	3511		400V			6502		400V	

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp		Model	Poles	Voltage	Amp
	5302-4	2P+E	110V	125A		5322-4	2P+E	110V	125A
	5302		230V			5322		230V	
	5302-9		400V			5322-9		400V	
	5402-4	3P+E	110V			5422-4	3P+E	110V	
	5402-9		230V			5422-9		230V	
	5402		400V			5422		400V	
	5502-4	3P+N+E	110V			5522-4	3P+N+E	110V	
	5502-9		230V			5522-9		230V	
	5502		400V			5522		400V	
	1322-4	2P+E	110V	16A		1362-4	2P+E	110V	16A
	1322		230V			1362		230V	
	1322-9		400V			1362-9		400V	
	1422-4	3P+E	110V			1462-4	3P+E	110V	
	1422-9		230V			1462-9		230V	
	1422		400V			1462		400V	
	1522-4	3P+N+E	110V			1562-4	3P+N+E	110V	
	1522-9		230V			1562-9		230V	
	1522		400V			1562		400V	
	3322-4	2P+E	110V	32A		3362-4	2P+E	110V	32A
	3322		230V			3362		230V	
	3322-9		400V			3362-9		400V	
	3422-4	3P+E	110V			3462-4	3P+E	110V	
	3422-9		230V			3462-9		230V	
	3422		400V			3462		400V	
	3522-4	3P+N+E	110V			3562-4	3P+N+E	110V	
	3522-9		230V			3562-9		230V	
	3522		400V			3562		400V	
	6322-4	2P+E	110V	63A		6362-4	2P+E	110V	63A
	6322		230V			6362		230V	
	6322-9		400V			6362-9		400V	
	6422-4	3P+E	110V			6462-4	3P+E	110V	
	6422-9		230V			6462-9		230V	
	6422		400V			6462		400V	
	6522-4	3P+N+E	110V			6562-4	3P+N+E	110V	
	6522-9		230V			6562-9		230V	
	6522		400V			6562		400V	

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp		Model	Poles	Voltage	Amp
	1352-4	2P+E	110V	16A		3332-4	2P+E	110V	32A
	1352		230V			3332		230V	
	1352-9		400V			3332-9		400V	
	1452-4	3P+E	110V			3432-4	3P+E	110V	
	1452-9		230V			3432-9		230V	
	1452		400V			3432		400V	
	1552-4	3P+N+E	110V			3532-4	3P+N+E	110V	
	1552-9		230V			3532-9		230V	
	1552		400V			3532		400V	
	3352-4	2P+E	110V	32A		6332-4	2P+E	110V	63A
	3352		230V			6332		230V	
	3352-9		400V			6332-9		400V	
	3452-4	3P+E	110V			6432-4	3P+E	110V	
	3452-9		230V			6432-9		230V	
	3452		400V			6432		400V	
	3552-4	3P+N+E	110V			6532-4	3P+N+E	110V	
	3552-9		230V			6532-9		230V	
	3552		400V			6532		400V	
	6352-4	2P+E	110V	63A		5332-4	2P+E	110V	125A
	6352		230V			5332		230V	
	6352-9		400V			5332-9		400V	
	6452-4	3P+E	110V			5432-4	3P+E	110V	
	6452-9		230V			5432-9		230V	
	6452		400V			5432		400V	
	6552-4	3P+N+E	110V			5532-4	3P+N+E	110V	
	6552-9		230V			5532-9		230V	
	6552		400V			5532		400V	
	1332-4	2P+E	110V	16A		1342-4	2P+E	110V	16A
	1332		230V			1342		230V	
	1332-9		400V			1342-9		400V	
	1432-4	3P+E	110V			1442-4	3P+E	110V	
	1432-9		230V			1442-9		230V	
	1432		400V			1442		400V	
	1532-4	3P+N+E	110V			1542-4	3P+N+E	110V	
	1532-9		230V			1542-9		230V	
	1532		400V			1542		400V	

PC Plug Socket Coupling

	Model	Poles	Voltage	Amp		Model	Poles	Voltage	Amp
	3342-4	2P+E	110V	32A		3312-4	2P+E	110V	32A
	3342		230V			3312		230V	
	3342-9		400V			3312-9		400V	
	3442-4	3P+E	110V			3412-4	3P+E	110V	
	3442-9		230V			3412-9		230V	
	3442		400V			3412		400V	
	3542-4	3P+N+E	110V			3512-4	3P+N+E	110V	
	3542-9		230V			3512-9		230V	
	3542		400V			3512		400V	
	6342-4	2P+E	110V	63A		6312-4	2P+E	110V	65A
	6342		230V			6312		230V	
	6342-9		400V			6312-9		400V	
	6442-4	3P+E	110V			6412-4	3P+E	110V	
	6442-9		230V			6412-9		230V	
	6442		400V			6412		400V	
	6542-4	3P+N+E	110V			6512-4	3P+N+E	110V	
	6542-9		230V			6512-9		230V	
	6542		400V			6512		400V	
	5342-4	2P+E	110V	125A		1201	2P	230V	16A
	5342		230V						
	5342-9		400V						
	5442-4	3P+E	110V						
	5442-9		230V						
	5442		400V						
	5542-4	3P+N+E	110V						
	5542-9		230V						
	5542		400V						
	1312-4	2P+E	110V	16A		1232	2P	230V	16A
	1312		230V						
	1312-9		400V						
	1412-4	3P+E	110V						
	1412-9		230V						
	1412		400V						
	1512-4	3P+N+E	110V						
	1512-9		230V						
	1512		400V						

Socket Outlets

110-250V Socket Outlets

IP56 Series 110-250V Socket Outlets feature a patented transparent hinged flap which snaps shut and locks over the socket when the plug is withdrawn, forming an automatic IP66 seal. The flap is transparent so the pin configuration can be readily identified without opening.






Type		56SO 310	56SO 310/2	56SO 315	56SO 313	56SO 316/110	56SO 316/240	56SO 320	56SO 332
Rated Operational Voltage Ue(-50Hz)	Volts	250	250	250	250	110 Yellow	230 Blue	250	250
Rated Thermal Current Enclosed	Amps	10	10	15	15	16	16	20	32
Number of Socket Pins(Including Earth)		3	3	3	3	3	3	3	3
Description		NZ/Aust	NZ/Aust Twin Socket Outlet	NZ/Aust	BS Square Pin	CEE17.6h	CEE17.6h	AS3123	AS1323
Socket configuration									
Cable cross sections solid or stranded mm²	Min	0.75	0.75	0.75	0.75	0.75	0.75	1.0	1.0
	Max	10	10	10	10	6	6	10	10
IP Rating		IP66	IP66	IP66	IP66	IP66 Without Plug IP44 With Plug	IP66 Without Plug IP44 With Plug	IP66	IP66

500V Socket Outlets

Socket units are standard one gang module use with 56E1 enclosures combining with other accessories in a larger enclosure.

Type		56SO 416	56SO 416K	56SO 420	56SO 432	56SO 435	56SO 440	56SO 450	56SO 516	56SO 520	56SO 532	56SO 535	56SO 540	56SO 550	56SO 616	56SO 716	56SO 720
Rated Operational Voltage Ue(-50Hz)	Volts	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Rated Thermal Current Enclosed	Amp	16	16	20	32	35	40	50	16	20	32	35	40	50	20	16	20
Number of Socket Pins (Including Earth)		4	4	4	4	4	4	4	5	5	5	5	5	5	5	7	7
Socket Configuration																	
Cable Cross Sections Solid or Streanded mm²	Min	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		10	10	10	16	16	16	25	10	10	16	16	16	25	10	10	10
IP Rating		IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66

Combination Switched Sockets

1. Application

The 56 Series includes an extensive range of one piece combination Switched Sockets.

Optional keylocking OFF facility(quote " CVK " when ordeting keylock type,e.g.cat no. 56CVK310).For NEON indicator option add " N " after catalogue number.







110-250V Combination Switched Sockets

Type		56CV310	56CV315	56CV313	56CV316/110	56CV316/240	56CV320	56CV332
Rated Operational Voltage Ue(-50Hz)	Volts	250	250	230	110	230	250	250
Rated Thermal Current Enclosed	Amps	10	15	13	16	16	20	32
Description		Switched NZ/Aust Socket	Switched NZ/Aust Socket	Switched British Square Pin Sicket	Switched CEE17-4h Socket (Yellow)	Switched CEE17-4h Socket (Blue)	Switched AS1323 Socket	Switched AS1323 Socket
Switch Description		1 way Single Pole	1 way Double Pole	1 way Double Pole	1 way Double Pole	1 way Double Pole	1 way Double Pole	1 way Double Pole
Utilisation Category								
AS3133 250V	Amps	10AxM50	16AxM120	16AxM120	16AxM120	16AxM120	20AxM150	32AxM180
AC23A 240V	Amps	15	15	15	15	15	21	28
	kW	2.2	2.2	2.2	2.2	2.2	3.0	4.0
Cable Cross Section	Min	0.75	1.0	1.0	1.0	1.0	1.0	1.0
Solid or Stranded mm^2	Max	6	1.6	1.6	1.6	1.6	1.6	1.6
Socket Number of Socket Pins Including(Earth)		3	3	3	3	3	3	3
Socket configuration								
Cable Cross section	Min	10	10	10	10	10	10	10
solid or stranded mm^2	Max	10	10	10	10	10	10	10
IP Rating		IP66	IP66	IP66	IP66 without plug IP44 with plug	IP66 without plug IP44 with plug	IP66	IP66

500V Combination Switched Sockets

All 500V Switched Sockets rated 32A and above have an internal interlocking feature(plugs cannot be withdrawn or inserted when the switch is in the ON position. This feature is also avaiable for 16A and 20A upon request.

Optional keylocking OFF facility(quote " cvk " when ordering keylock type,e.g.cat no.56CVK432).

For NEON indicator option add " N " after catalogue number.



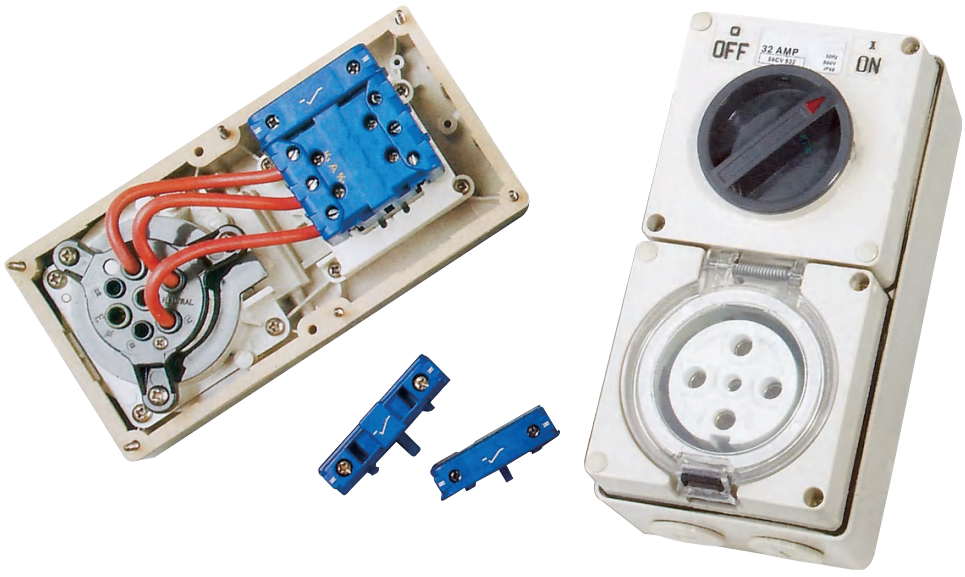




Type	56CV 416	56CV 416K	56CV 420	56CV 432	56CV 435	56CV 440	56CV 450	56CV 516	56CV 520	56CV 532	56CV 535	56CV 540	56CV 550	56CV 616	56CV 716	56CV 720
Rated Operational Voltage Ue(-50Hz) Volts	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Rated Thermal Current Enclosed Amps	16	16	20	32	35	40	50	16	20	32	35	40	50	16	16	20
Switch Description	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole
Utilisation Category Amps	16AX	20AX	32AX	32AX	32AX	50AX	50AX	16AX	20AX	32AX	32AX	50AX	50AX	16AX	16AX	20AX
	M120	M180	M180	M250	M250	M250	M120	M150	M160	M180	M250	M250	M120	M120	M120	M150
AS3133 250V kW	7.5	11.0	15.0	15.0	15.0	18.5	18.5	7.5	11.0	15.0	15.0	18.5	18.5	7.5	7.5	11.0
AC23A 240V Amps	15	21	28	28	28	35	35	15	21	28	28	35	35	15	15	21
Cable Cross Section Min	1	1	1	1	1	1	6	6	1	1	1	6	6	1	1	1
Solid or Stranded mm^2 Max	16	16	16	16	16	16	35	35	16	16	16	35	35	16	16	16
Socket Number of Socket Pins Including(Earth)	4	4	4	4	4	4	4	5	5	5	5	5	5	6	7	7
Socket Configuration																
IP Rating	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66

500V KG Combination Switched Sockets For Use With Extra Poles

IP56 has utilised the proven ANDELI KG series of switches in this range of 56 Series Combination Switched Sockets. Combination switched sockets from this range are suitable for use with the fully motor rated KG Series Extra Poles available from IP56.



Type	56CV 416KG	56CV 420KG	56CV 432KG	56CV 435KG	56CV 440KG	56CV 450KG	56CV 516KG	56CV 520KG	56CV 532KG	56CV 535KG	56CV 540KG	56CV 550KG	56CV 616KG	56CV 716KG	56CV 720KG
Rated Operational Voltage Ue(-50Hz) Volts	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Rated Thermal Current Enclosed Amps	16	20	32	35	40	50	16	20	32	35	40	50	16	16	20
Switch	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole	3Pole
Utilisation Category	20	20	32	40	40	63	20	20	32	40	40	63	20	20	20
AC21A 500V Amps	7.5	7.5	11	15	15	22	7.5	7.5	11	15	15	22	7.5	7.5	7.5
AC23A 415V kW	5.5	5.5	7.5	11	11	15	5.5	5.5	7.5	11	11	15	5.5	5.5	5.5
ACS415V kW															
Cable Cross Section Min	1	1	1	6	6	6	1	1	1	6	6	6	1	1	1
Solid or Stranded mm^2 Max	6	6	6	16	16	16	6	6	6	16	16	16	6	6	6
Socket Number of Socket (Including Earth)	4	4	4	4	4	4	5	5	5	5	5	5	6	4	4
Socket Configuration															
IP Rating	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66

Mounting Enclosures(Back Boxes)

All ANDELI Mounting Back Boxes are moulded in UV stabilised rigid RVC to facilitate glueing of fittings for conduct entry.

Ample conduit and cable entries are provided and there is plenty of wiring room for easy installation.

All screwed conduit entries are provided with plugs. The multigang enclosures feature moulded bridges between modules to ensure switches and sockets sit flush on a continuous surface. Moulded dividers are also available for multigang boxes to Segregate services and are standard with 4,6,8,9, and 16 gang enclosures.

Each enclosure has a number of mounting points and 220/10 Sealing Plugs are provided to double insulate mounting screw heads and ensure the IP rating.

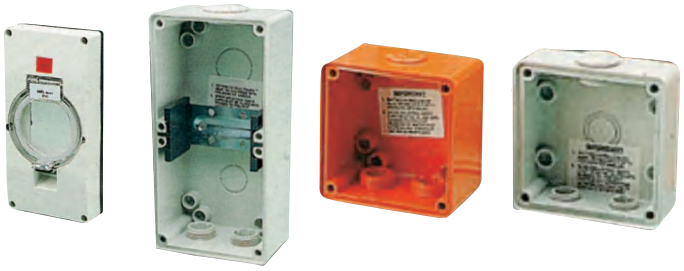
Moulde gaskets are supplied with switch and socket modules.

Options Available

● Resistant Orang-add RO to Catalog Number e.g.56E2 becomes 56E2RO.

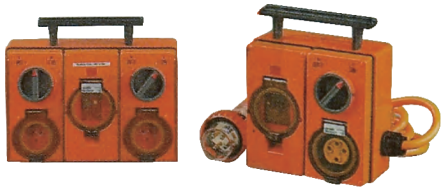
Options Available

Stainless steel pole mounting bracket kit to suit 56E2,56E3 and 56E4VH Modules. Catologue No 56PMK.
Stainless steel mounting feet suit all enclosures. Catalogue Number56MF.



Type	No.of Gangs	O/A*Dims. (H)x(W)x(D)	Mounting Points	No.of Conduct Entries(mm)	Cut Out Provision (mm)
56E1	1	101 x 101 x 63	8	2 x 25.1 x 32	1 x 25/32
56ES1	1	101 x 101 x 38	4	1 x 25.1 x 20	1 x 20/25
56E2	2	198 x 101 x 63	8	2 x 25.1 x 32	1 x 25.1/32
56ED2	2	198 x 101 x 100	8	2 x 40	1 x 25.1/32
56ES2	2	198 x 101 x 38	4	1 x 25.2 x 32	2 x 20/25
56E2/4EL	2	198 x 101 x 105	8	2 x 25.1 x 32	1 x 25.1x32
56E3	3	294 x 101 x 63	16	2 x 25.1 x 32	2 x 25.1 x 32
56E4	4	198 x 198 x 63	16	2 x 25.2 x 32	2 x 25.1 x 322.1 x 40
56E4VH	4	391 x 101 x 63	16	2 x 25.1 x 32	2 x 25.1 x 32.1 x 40
56E6	6	294 x 198 x 63	24	2 x 25.2 x 32	2 x 25.2 x 32.2 x 40
56E8	8	391 x 198 x 63	28	2 x 25.2 x 32	4 x 25.2 x 32.2 x 40
56E9	9	294 x 294 x 63	28	2 x 25.2 x 32	4 x 25.1 x 32.1 x 40
56E16	16	391 x 391 x 63	48	2 x 25.2 x 32	6 x 25.6 x 32.4 x 40

56E2/4EL denotes an E2 enclosure complete with 56EL4N Cover and DIN rail to suit 4EL RCDs.



Portable Combination Switched Sockets with RCD

Ruggedly constructed, these portable units feature an easy to carry handle, a hanging facility for builder's poles and 3 metres of heavy duty flexible cord.

Type	No.of Phases	I_{th} (A)	U_e (V)	No.of Sockets	Tripping Sensitivity	Type Matching Plug	Type Angled Plug	Overall Dimensions (H)x(W)x(D)	Socket Config
56C310EL2P	1	10	250	2(3 flat pins)	30mA	56P310	-	243 x 294 x 105	A
56C315ELP	1	15	250	1(3 flat pins)	30mA	56P315	-	243 x 195 x 105	G
56C420ELP	3	20	415	1(4 round pins)	30mA	56P420	56PA420	243 x 195 x 105	L
56SO4ELP15	1	10	250	4(auto,3 flat pins)	30mA	56P310	-	243 x 294 x 105	A

Refer to pgae 24 & 25 for explanation of pin configurations.

Note:Combinations with various pin configurations, current ratings and 100mA

Special order are available upon request

Plugs

Extension Sockets & Appliance Connectors

ANDELI's Three Phase Extension Socket/Appliance Connector is an important design breakthrough.
Now there is a common unit for both cord extension socket and appliance connector applications.
All connectors have impact resistant, UV stabilised mouldings.

The IP66 rating can be achieved when extension socket/connectors are used in conjunction with compatible accessories such as 56P Plugs, 56PA Plugs and 56A1 Appliance Inlets.

IP66 rated units feature a hose proof cap which maintains the intenational Protection rating when the accessory is not being used.





Note:Cap not provided as standard with single phase extension sockets.
Refer 56T Series for terminators to connect hose to non standard gland nut thread.

Options available

- 56SC2 Socket Cap to suit single phase extension sockets.
- 56CSC310 and 56CSC315 available in Resistant Orange- add RO to Catalogue Number e.g. 56CSC310 becomes 56CSC310RO.

Type	I_{th} (A)	U_i (V)	No. of Sockets	Conductor Term. size in mm²		Cable Nominal Diameter in mm²		IP Rating	Matching Plug Straight	Matching Plug Angle	Gland Nut Thread
				Min.	Max.	Min.	Max.				
56CSC310	10	250	3 Flat	1.0	6	6	12.5	66	56P310	56PA310	20mm
56CSC315	15	250	3 Flat	1.0	6	6	12.5	66	56P315	56PA315	20mm
56CSC410	10	500	4 Round	1.0	6	6	15.7	66	56P410	56PA410	23mm
56CSS420	20	500	4 Round	1.0	6	6	15.7	66	56P420	56PA420	23mm
56CSC432	32	500	4 Round	2.5	16	9	28	66	56P432	56PA432	37mm
56CSC440	40	500	4 Round	2.5	16	9	28	66	56P440	56PA440	37mm
56CSC450	50	500	4 Round	2.5	16	9	28	66	56P450	56PA450	37mm
56CSC510	10	500	5 Round	1.0	6	6	15.7	66	56P510	56PA510	23mm
56CSC520	20	500	5 Round	1.0	6	6	15.7	66	56P520	56PA520	23mm
56CSC532	32	500	5 Round	2.5	16	9	28	66	56P532	56PA532	37mm
56CSC540	40	500	5 Round	2.5	16	9	28	66	56P540	56PA540	37mm
56CSC550	50	500	5 Round	2.5	16	9	28	66	56P550	56PA550	37mm

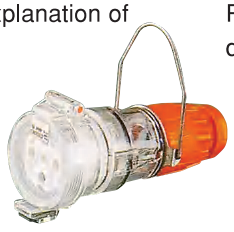
U_i Insulation Voltage
I_{th} Conventional Free Air Current

Refer to gauge 43 for explanation of socket configurations

Refer to rear of catalogue for further details

Pendant Outlets

ANDELI 56PO Three Phase pendant Outlets are a hanging version of our 56CSC connectors.
All have impact resistant UV stabilised mouldings.



Type	I_{th} (A)	U_i (V)	No. of Sockets	Conductor Term. size in mm²		Cable Nominal Diameter in mm²		IP Rating	Matching Plug Straight	Matching Plug Angle	Gland Nut Thread
				Min.	Max.	Min.	Max.				
56PO410	10	500	4 Round	1.0	6	6	15.7	66	56P410	56PA410	23mm
56PO420	20	500	4 Round	1.0	6	6	15.7	66	56P420	56PA420	23mm
56PO432	32	500	4 Round	2.5	16	9	28	66	56P432	56PA432	37mm
56PO440	40	500	4 Round	2.5	16	9	28	66	56P440	56PA440	37mm
56PO450	50	500	4 Round	2.5	16	9	28	66	56P450	56PA450	37mm
56PO510	10	500	5 Round	1.0	6	6	15.7	66	56P510	56PA510	37mm
56PO520	20	500	5 Round	1.0	6	6	15.7	66	56P520	56PA520	37mm
56PO532	32	500	5 Round	2.5	16	9	28	66	56P532	56PA532	37mm
56PO540	40	500	5 Round	2.5	16	9	28	66	56P540	56PA540	37mm
56PO550	50	500	5 Round	2.5	16	9	28	66	56P550	56PA550	37mm

U_i Insulation Voltage I_{th} Conventional Free Air Thermal Current

ANDELI

56P,56PA






250V Plugs

The 56 Series single phase plugs are available in 10A, 15A, 20A and 32A Pin configurations to suit the Australian and New Zealand markets and in the British 13A square pin configuration.All plugs are IP66 rated.

Type(Angled) Type(Straight)		56P310	56P315	56P313	56P320 56PA320	56P332 56PA332
Rated Operation Voltage Ue(-50Hz)	Volts	250	250	250	250	250
Max.Thermal Current Enclosed	Amps	10	15	13	20	32
Number of Pins (Including Earth)		3	3	3	3	3
Pin Configuration						
Cable Entry Diameter	Min Max	6 9	8 11	6 10	7 16	10 27
Capacity mm²	Min Min	0.75 1.5	1.0 1.5	0.75 1.5	1 6	2.5 16

500V Plugs

These plugs are all rated IP66 when fitted to a 56 Series cord connector or Socket Outlet. The body section is transparent for quick and easy inspection of the terminals and cable entry. Plugs are available with 4 to 7 pins. 16A to 50A to cover most applications.

Type(Angled) Type(Straight)		56P 416 56PA 416	56P 416 56PA 416K	56P 420 56PA 420	56P 432 56PA 432	56P 432RF* 56PA 432RF*	56P 435 56PA 435	56P 440 56PA 440	56P 450 56PA 450	56P 516 56PA 516	56P 520 56PA 520	56P 532 56PA 532	56P 535 56PA 535	56P 540 56PA 540	56P 550 56PA 550	56P 616 56PA 616	56P 716 56PA 716	56P 720 56PA 716
Rated Operation Voltage Ue(-50Hz)	Volts	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Rated Thermal Current Enclosed	Amps	16	16	20	32	32	35	40	50	16	20	32	35	40	50	16	16	20
Number of Pins (Including Earth)		4	4	4	4	4	4	4	4	5	5	5	5	5	5	6	7	7
Pin Configuration																		
Cable Entry Diameter	Min Max	7 16	7 16	7 16	10 27	10 27	10 27	10 27	10 27	7 16	7 16	10 27	10 27	10 27	10 27	7 16	7 16	7 16
Capacity mm²	Min Min	1 6	1 6	1 6	2.5 16	2.5 16	2.5 16	2.5 16	4 16	1 6	1 6	2.5 16	2.5 16	2.5 16	4 6	4 6	4 6	4 6
Auxiliary Pins C1-C2 Maximum Current																10A	10A	10A

Switchgear Cover Assemblies



With indicator



Without indicator

The 56 Series Two Gang Cover Assemblies are moulded in hi-impact polycarbonate and feature a specially designed mounting bracket which will accommodate the full range of Clipsal circuit breakers, RCDs and combination MCB/RCDs.

Covers suit all 56 Series Enclosures (minimum standard depth 63mm) are supplied with neon indicators which can be wired from either the line or load side of the switch.

The unique protective membrane versions offer the same level of safety even when the flap is opened. A special membrane, incorporated into the units covers MCBs, RCDs and accessories to provide a barrier against dust and water, including wet hands when the flap is opened to reset switches.

Option Available

Resistant Orange - add RO to Catalogue Number e.g. 56CB4N becomes 56CB4NRO.
Resistant White - add RW to Catalogue Number e.g. 56CB4N becomes 56CB4NRW.
Chemical Grey - add CG to Catalogue Number e.g. 56CB4N becomes 56CB4NCG.
Protective membrane - add M to catalogue number e.g. 56CB4N becomes 56CB4NM.

Type	Rated	Module Type	No.of Poles	Module Width	Protective Membrane
56CB4N	240/415	MCB+RCD's	4	4	no
56CB4	-	MCB+RCD's	4	4	no
56CB4NM	240/415	MCB+RCD's	4	4	Yes

Enclosure Lids(Covers)

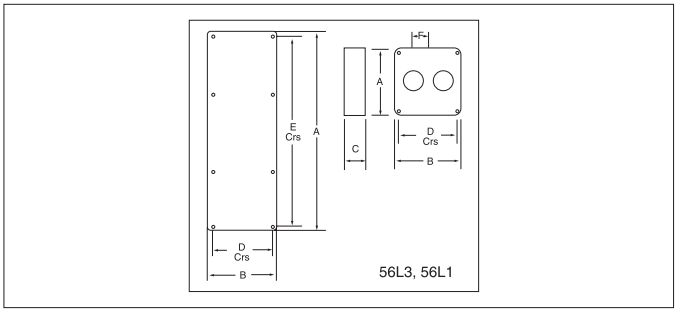
Mounting enclosure lids are moulded in UV stabilised polycarbonate.

All are 28mm high and supplied complete with sealing gasket.

Option available

- Resistant Orange-add RO to Cat. No.e.g.56L1 becomes 56L1RO.
- 56L1 available in Chemical Resistant Grey-add CG to Cat. NO.e.g.56L1 becomes 56L1CG.





Type	Dimensions(mm)				
	A	B	C	D	E
56L1	95	95	28	84	84
56L2	192	95	28	84	181
56L3	288	95	28	84	277
56L4	192	192	28	181	181

Weather Protected Isolating Switches

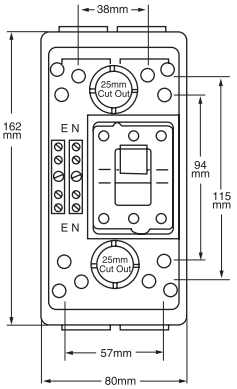


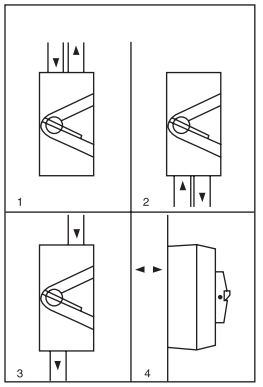
1. Application

The UKF Series of Weatherprotected Isolating Switches is a robust range of switches suitable for virtually any external application. All units comply to IEC60947-3.

Mines, and, Energy, south, Australia, Approvals.
Standard color are Grey & White.

1. Cables looped in and out from overhead.
2. In and out from underground.
3. In and out straight through the switch.
4. Two 25mm rear knockouts are moulded in the base for surface mounting with concealed wiring.







Dual 25mm screwed conduct entries top and bottom(up to 55 amp.)allows four ways to surface wire the switch.

Type		IP Rating
UKF1-20	20A 250V Single pole surface switch. Terminals accommodate 16mm² cable.M Rating 220.	56
UKF1-35 UKF1-63	35A/63A 250V Single pole. Terminals accommodate 16mm² cables.M Rating 220.	56

Type		IP Rating
UKF2-20	20A 440V double. Terminals accommodate 16mm² cables. M Rating 180.	56
UKF2-35	35A 440V double. Terminals accommodate 16mm² cables. M Rating 180.	56
UKF2-63	63A 440V double. Terminals accommodate 16mm² cables. M Rating 180.	56



Type		IP Rating
UKF3-20	20A 440V Triple Pole. Terminals accommodate 16mm² cables. M Rating 180.	56
UKF3-35	35A 440V Triple Pole. Terminals accommodate 16mm² cables. M Rating 180.	56
UKF3-63	53A 440V Triple Pole. Terminals accommodate 16mm² cables. M Rating 160.	56
UKF4-20	20A 440V Triple Pole. Terminals accommodate 16mm² cables. M Rating 180.	56
UKF4-35	35A 440V Triple Pole. Terminals accommodate 16mm² cables. M Rating 180.	56
UKF4-63	53A 440V Triple Pole. Terminals accommodate 16mm² cables. M Rating 160.	56
UKF3-55-32CE	55A 440V Triple Pole. With 32mm conduit entry at each end. Terminals accommodate 25mm² cables. M Rating 160.	56
UKF3-63-32CE	63A 440V Triple Pole. With 32mm conduit entry at each end. Terminals accommodate 25mm² cables. M Rating 160.	56
UKF3-80-CE	80A 440V Triple Pole. With 32mm conduit entry at each end. Terminals accommodate 25mm² cables. M Rating 150.	56

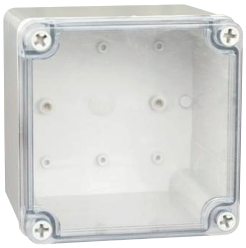
ANDELI

DS-AG

Switch & Push Button Box(Indoor Use)

Protection Degree: IP66







Description	Dimension	
	PART NO.	W x H x D(m/m)
Material ABS Color: Grey Door Solid	DS-AG-0506	50 x 65 x 55
	DS-AG-0609	65 x 95 x 55
	DS-AG-0811-S	80 x 110 x 45
	DS-AG-0811	80 x 110 x 70
	DS-AG-0813	80 x 130 x 70
	DS-AG-0816	80 x 160 x 55
	DS-AG-0818	80 x 180 x 70
	DS-AG-0825	80 x 250 x 70
	DS-AG-0811-1	80 x 110 x 85
	DS-AG-0813-1	80 x 130 x 85
	DS-AG-0818-1	80 x 180 x 85
	DS-AG-0825-1	80 x 250 x 85
	DS-AG-1212-S	125 x 125 x 75
	DS-AG-1212	125 x 125 x 100
	DS-AG-1217	125 x 175 x 75
	DS-AG-1217-1	125 x 175 x 100
	DS-AG-1417	140 x 170 x 95
	DS-AG-1520	150 x 200 x 100
	DS-AG-1520-1	150 x 200 x 130
	DS-AG-1525	150 x 250 x 100
	DS-AG-1525-1	150 x 250 x 130
	DS-AG-2020	200 x 200 x 130
	DS-AG-2020-S	200 x 200 x 95
	DS-AG-1717-1	175 x 175 x 100
	DS-AG-1725	175 x 250 x 75
	DS-AG-0712	75 x 125 x 75
	DS-AG-0712-1	75 x 125 x 100
	DS-AG-1423	140 x 230 x 90
	DS-AG-1717	175 x 175 x75

Description	Dimension	
	PART NO.	W x H x D(m/m)
Material ABS Color: Grey Door Solid	DS-AT-0506	50 x 65 x 55
	DS-AT-0609	65 x 95 x 55
	DS-AT-0811-S	80 x 110 x 45
	DS-AT-0811	80 x 110 x 70
	DS-AT-0813	80 x 130 x 70
	DS-AT-0816	80 x 160 x 55
	DS-AT-0818	80 x 180 x 70
	DS-AT-0825	80 x 250 x 70
	DS-AT-0811-1	80 x 110 x 85
	DS-AT-0813-1	80 x 130 x 85
	DS-AT-0818-1	80 x 180 x 85
	DS-AT-0825-1	80 x 250 x 85
	DS-AT-1212-S	125 x 125 x 75
	DS-AT-1212	125 x 125 x 100
	DS-AT-1217	125 x 175 x 75
	DS-AT-1217-1	125 x 175 x 100
	DS-AT-1417	140 x 170 x 95
	DS-AT-1520	150 x 200 x 100
	DS-AT-1520-1	150 x 200 x 130
	DS-AT-1525	150 x 250 x 100
	DS-AT-1525-1	150 x 250 x 130
	DS-AT-2020	200 x 200 x 130
	DS-AT-2020-S	200 x 200 x 95
	DS-AT-1717-1	175 x 175 x 100
	DS-AT-1725	175 x 250 x 75
	DS-AT-0712	75 x 125 x 75
	DS-AT-0712-1	75 x 125 x 100
	DS-AT-1423	140 x 230 x 90
	DS-AT-1717	175 x 175 x75



HT-2ways

Model No.	HT-2ways	HT-5ways	HT-8ways	HT-12was
Protection class	IP65			
Insulation	Class II			
Materlal	Polycarbonate/ABS			
Shock resistance	IK10			
Procection against chemicals and weaher conditions	Water.saline Solutiions.acids.basics.mineral oils.UV rays			
Operating temperature	-25¡æ~+100¡æ			
Performance				
Nominal insultion voltage	1000V AC-1500V DC			
Flexibility WxHxD.externaldimensions (mm)	53.4x139.1x84.4	118.5x159x88.6	200.5x154.5x88.9	255x197.5x106



HT-5ways

Model No.	HT-15ways	HT-18ways	HT-24ways
Protection class	IP65		
Insulation	Class II		
Materlal	Polycarbonate/ABS		
Shock resistance	IK10		
Protection against chemicals and weaher conditions	Water.saline colutions.acids.basics.mineral oils.UV rays		
Operating temperature	-25¡æ~+100¡æ		
Performance			
Nominal insulation voltage	1000V AC-1500V DC		
Flexibility WxHxD.externaldimensions (mm)	310x197.5x106	364x197.5x106	275.5x356.2x106.2



HT-8ways



HT-12ways



HT-15ways



HT-18ways



HT-24ways



HA-4ways

Model No.	HA-4ways	HA-8ways	HA-12ways	HA-18was
Protection class	IP65			
Insulation	Class II			
Materlal	Polycarbonate/ABS			
Shock resistance	IK10			
Procection against chemicals and weaher conditions	Water.saline Solutiions.acids.basics.mineral oils.UV rays			
Operating temperature	-25¡æ~+100¡æ			
Performance				
Nominal insultion voltage	1000V AC-1500V DC			
Flexibility WxHxD. externaldimensions (mm)	143.8x99.5x210.3	215x209x98	298x259x140	411x286x137.8



HA-8ways

Model No.	HA-26ways	HA-36ways	HA-54ways
Protection class	IP65		
Insulation	Class II		
Materlal	Polycarbonate/ABS		
Shock resistance	IK10		
Protection against chemicals and weaher conditions	Water.saline colutions.acids.basics.mineral oils.UV rays		
Operating temperature	-25¡æ~+100¡æ		
Performance			
Nominal insulation voltage	1000V AC-1500V DC		
Flexibility WxHxD. externaldimensions (mm)	323.5x420x139.5	299.75x595.3x147	414.25x595.3x148



HA-12ways



HA-18ways



HA-26ways



HA-36ways



HA-54ways

Distribution Box



TSM-6N



TSM-8N



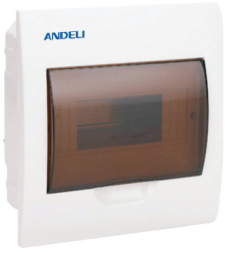
TSM-12N



TSM-18N



TSM-6



TSM-8



TSM-12



TSM-18



10WAY



18WAY

MG Window: white or transprent

Available Way: 2, 4, 6, 8, 10, 12, 15, 18, 24, 36, 45



1P



2P



4P

AD Available Way: 1, 2, 4, 6, 8, 12, 18, 24



ZY-4



ZY-8

Available Way: 4, 6, 8, 10, 12, 16, 18, 24



ABC-500



ABC-900

Available Way: 8, 12, 14, 18, 24

Distribution Box



1504



1506



1509



1512



1518



1524



1536



0402B



0403B



0404B



0405B



0406B



0408B



0412B



0413B



0416A

Distribution Box



223415



274616



304016



305216



365418



1805



1805B



1802



1803



0406B



1807-A



1807-B



1807-C



1807-D



1806-A



1806-B



1806-C



1806-D

Water Proof Enclosure



50 x 50



80 x 50



80 x 80 x 50



85 x 85 x 50



100 x 100 x 70



150 x 110 x 70



150 x 150 x 70



200 x 100 x 70



200 x 155 x 80



200 x 200 x 80



255 x 200 x 80



300 x 250 x 120



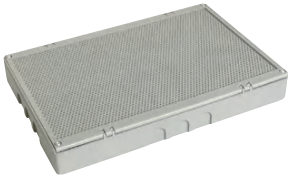
400 x 350 x 120



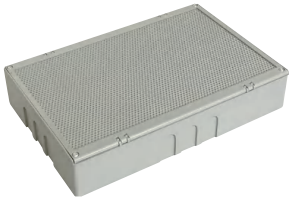
200 x 150 x 60



200 x 150 x 80



300 x 200 x 40



300 x 200 x 60

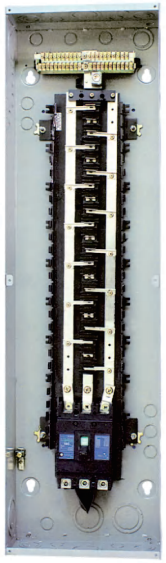


300 x 200 x 80



400 x 300 x 80

Distribution Board PZ30DB



PZ30DB1



PZ30DB2

PZ30DB M 24 3 10 H F

- Enclosure Type
  F:Flush S: Surface
- Main Breaker
  BH H:HBH
  SS:NF100-SS C:NF250-CS
- Main Breaker Ratings
  10:100A 12:125A 15:150A 17:175A
  20:200A 22:225A 25:250A
- 3:3-Phase
- 1:1-Phase
- Blank:W/O main breaker
- Max.no.of breaker spaces
- With main breaker
- Series



PZ30DB-04-112F



PZ30DB-08-112F



PZ30DB-12-310F



PZ30DB-18-310F



PZ30DB-24-310F



PZ30DB-M18-310SSF



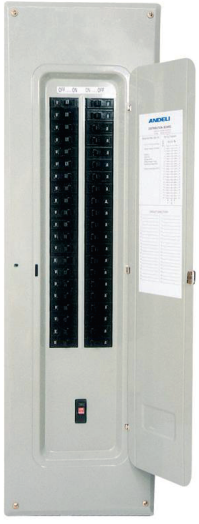
PZ30DB-M24-310SSF



PZ30DB-M30-310SSF



PZ30DB-M36-310SSF



PZ30DB-M42-310SSF

Distribution Board PZ30FE1



PZ30FE-8#



PZ30FE-8#
Single Phase



PZ30FE-4#
Three Phase



PZ30FE2-6#
Three Phase



PZ30FE2-27#
Three Phase

1.Application

This is an assembly of electro-conductive parts consisting of miniature circuit breakers(MCB) of various ratings,isolator switch,bus-bars,neutral & earth bars, all enclosed in a steel metal case for circuits of single-phase or three-phase.

They contain equipment for protecting,switching and controlling cables and apparatus.

Distribution boards are used in household,commercial and industrial installations for distributing of power to final sub-circuits e.g.lighting for cable entries,They could be surface-mounted or flush-mounted with removable cover and breakable inlet on both top and bottom sides for cable entries.

Every final sub-circuit is connected to one way of the distribution board via the MCB.The sizes of the circuit MCB depends on the rating of the final sub-circuits.

2.Specification

Model	Size	Surface install
		H x W x D / mm
Single phase	PZ30FE1-4#	315 x 260 x 112
	PZ30FE1-6#	365 x 260 x 112
	PZ30FE1-8#	415 x 260 x 112
	PZ30FE1-12#	515 x 260 x 112
Three phase	PZ30FE1-4#	510 x 390 x 100
	PZ30FE1-6#	590 x 390 x 100
	PZ30FE1-8#	660 x 390 x 100
	PZ30FE1-12#	820 x 390 x 100

Distribution Board PZ30FE2

1.Application

The series in safe type which has short-rib over-loading,short circuit protective function.It is applicable to multicircuits of 225V rated current in different buildings for lighting and switchboard of 225V rated current in different buildings for lighting and switchboard,The crust is powder-coating and looks handsome.

2.Specification

Model	Size	Surface install
		H x W x D / mm
Three phase	PZ30FE2-4#	510 x 350 x 100
	PZ30FE2-6#	560 x 350 x 100
	PZ30FE2-8#	610 x 350 x 100
	PZ30FE2-10#	660 x 350 x 100
	PZ30FE2-12#	710 x 350 x 100

Distribution Board PZ30ME1



PZ30ME1-4#
Single Phase



PZ30ME1-8#
Single Phase

Model	Size	H x W x D / mm
Single phase	PZ30ME1-4#	208 x 228 x 90
	PZ30ME1-6#	208 x 279 x 90
	PZ30ME1-8#	208 x 330 x 90
	PZ30ME1-10#	208 x 381 x 90
	PZ30ME1-12#	208 x 432 x 90
Three phase	PZ30ME1-3#	390 x 370 x 100
	PZ30ME1-4#	470 x 370 x 100
	PZ30ME1-6#	545 x 370 x 100
	PZ30ME1-8#	620 x 370 x 100
	PZ30ME1-10#	695 x 370 x 100
	PZ30ME1-12#	770 x 370 x 100

Distribution Board PZ30ME6



PZ30ME1-4#
Three Phase

Model	Size	H x W x D / mm
Single phase	PZ30ME6-4#	228 x 248 x 90
	PZ30ME6-6#	228 x 299 x 90
	PZ30ME6-8#	228 x 350 x 90
	PZ30ME6-10#	228 x 401 x 90
	PZ30ME6-12#	228 x 452 x 90
Three phase	PZ30ME6-4#	493 x 398 x 100
	PZ30ME6-6#	568 x 398 x 100
	PZ30ME6-8#	643 x 398 x 100
	PZ30ME6-10#	718 x 398 x 100
	PZ30ME6-12#	793 x 398 x 100

Busbar Chamber AMBC-M



144BBC



244BBC

AMBC-M busbar chamber system is designed to provide either compact, wall-mounting installations or by using optional pedestal sets easily assembled switchboards. Every facility is provided to enable it to be mounted easily and economically to busbar chambers which can be applied either to a suitable load-bearing vertical surface; or by means of a pedestal set, affixed to a vertical surface which need not be load-bearing. These are produced in 100, 200, 400, 630 and 800 Amp.

Current (A)	List No. according to nominal length (mm)			
	550	900	1350	1800
100	142 BBC	143 BBC	144 BBC	146 BBC
200	242 BBC	243 BBC	244 BBC	246 BBC
400	442 BBC	443 BBC	444 BBC	446 BBC
630	–	643 BBC	644 BBC	646 BBC
800	–	843 BBC	844 BBC	846 BBC

Nominal length (mm)	A	B	C	D	E	F	G
	mm	mm	mm	mm	mm	mm	mm
1800	1812	364	222	280	1724	862	6
1350	1362	364	222	280	1274	–	4
900	912	364	222	280	824	–	4
550	562	364	222	280	474	–	4

JXF Waterproof Panel Board



Outdoor distribution box is a kind of box according to component model, specification, quantity design assemble type outdoor rain-proof distribution box with kinds of control functions.
Cabinet size can be arbitrarily selected.
Welding process is totally enclosed argon arc welding method.
Door plank uses Ann polyester waterproof sealing, with body structure close to the quite perfect combination.
Protection grade reaches : IP43 IP55, Ip65.
Exterior color spraying green thermosetting powder coatings, Advanced spraying process through high-temperature processing, which can make all kinds of complex products in the environment will not rust off.
Standard color is: outdoor type RAL7032, Outdoor RAL7035.
All boxes can also be customized.
Material using cold-rolled steel or stainless steel.







Size	Thickness			Bottom hole size	Lock QTY	Mounting plate size
HXWXD/mm	Door	Body	M.P			LXM/mm
200X200X150	1.2	1.2	2	A	1	150X150
250X200X150	1.2	1.2	2	A	1	200X150
300X200X150	1.2	1.2	2	A	1	250X150
300X200X200	1.2	1.2	2	A	1	250X150
300X250X150	1.2	1.2	2	A	1	250X200
300X250X200	1.2	1.2	2	A	1	250X200
300X250X250	1.2	1.2	2	B	1	250X200
300X300X150	1.2	1.2	2	B	1	250X250
300X300X200	1.2	1.2	2	B	1	250X250
300X300X250	1.2	1.2	2	B	1	250X250
400X300X150	1.2	1.2	2	B	1	350X250
400X300X200	1.2	1.2	2	B	1	350X250
400X300X250	1.2	1.2	2	B	1	350X250
400X300X300	1.2	1.2	2	B	1	350X250
400X400X150	1.2	1.2	2	C	1	350X350
400X400X200	1.2	1.2	2	C	1	350X350
400X400X250	1.2	1.2	2	C	1	350X350
400X400X300	1.2	1.2	2	C	1	350X350
500X300X150	1.2	1.2	2	B	1	450X250
500X300X200	1.2	1.2	2	B	1	450X250
500X300X250	1.2	1.2	2	B	1	450X250
500X300X300	1.2	1.2	2	B	1	450X250
500X400X150	1.2	1.2	2	C	1	450X350
500X400X200	1.2	1.2	2	C	1	450X350
500X400X250	1.2	1.2	2	C	1	450X350
500X400X300	1.2	1.2	2	C	1	450X350
500X500X150	1.2	1.2	2	D	1	450X450
500X500X200	1.2	1.2	2	D	1	450X450
500X500X250	1.2	1.2	2	D	1	450X450
600X400X150	1.2	1.2	2	C	2	550X350
600X400X200	1.2	1.2	2	C	2	550X350
600X400X250	1.2	1.2	2	C	2	550X350
600X400X300	1.2	1.2	2	C	2	550X350
600X500X150	1.2	1.2	2	D	2	550X450
600X500X200	1.2	1.2	2	D	2	550X450
600X500X250	1.2	1.2	2	D	2	550X450
600X500X300	1.2	1.2	2	D	2	550X450
600X600X150	1.2	1.2	2	D	2	550X550
600X600X200	1.2	1.2	2	D	2	550X550
600X600X250	1.2	1.2	2	D	2	550X550
600X600X300	1.2	1.2	2	D	2	550X550
600X600X400	1.2	1.2	2	D	2	550X550
700X400X200	1.2	1.2	2	B	2	650X350
700X400X300	1.2	1.2	2	B	2	650X350
700X500X150	1.2	1.2	2	D	2	650X450
700X500X200	1.2	1.2	2	D	2	650X450
700X500X250	1.2	1.2	2	D	2	650X450
700X500X300	1.2	1.2	2	D	2	650X450
700X600X200	1.2	1.2	2	D	2	650X550
700X600X250	1.2	1.2	2	D	2	650X550
700X600X300	1.2	1.2		D	2	650X550

JXF Waterproof Panel Board

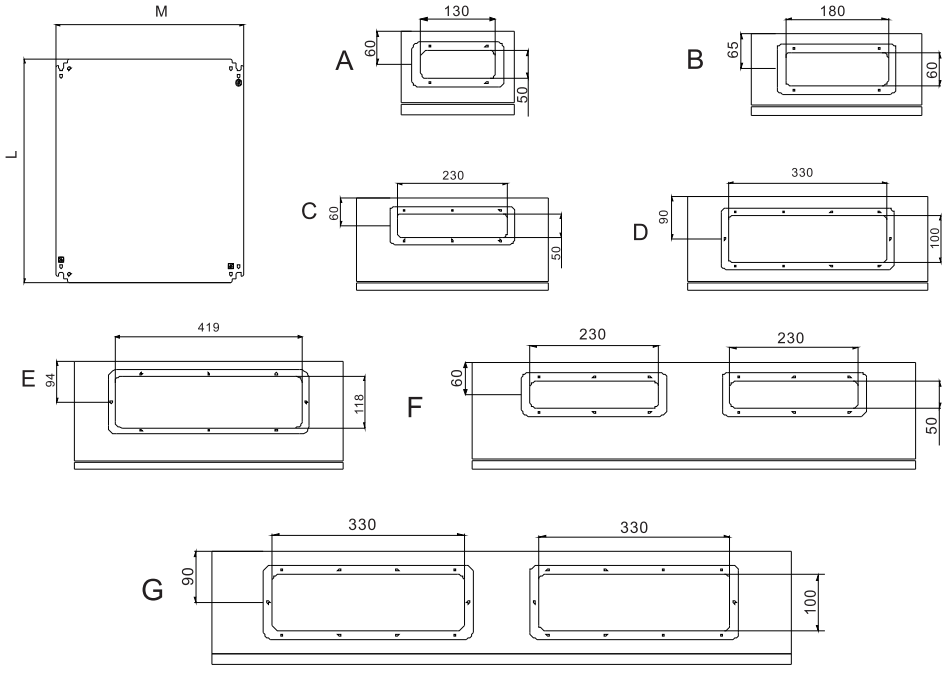








Size	Thickness			Bottom hole size	Lock QTY	Mounting plate size
HXWXD/mm	Door	Body	M.P			LXM/mm
800X600X200	1.5	1.5	2	D	2	750X550
800X600X250	1.5	1.5	2	D	2	750X550
800X600X300	1.5	1.5	2	D	2	750X550
800X600X400	1.5	1.5	2	D	2	750X550
800X800X200	1.5	1.5	2	F	2	750X750
800X800X250	1.5	1.5	2	F	2	750X750
800X800X300	1.5	1.5	2	F	2	750X750
800X800X400	1.5	1.5	2	F	2	750X750
1000X600X200	1.5	1.5	2	D	3	950X550
1000X600X250	1.5	1.5	2	D	3	950X550
1000X600X300	1.5	1.5	2	D	3	950X550
1000X700X200	1.5	1.5	2	D	3	950X650
1000X700X250	1.5	1.5	2	D	3	950X650
1000X800X200	1.5	1.5	2	F	3	950X750
1000X800X250	1.5	1.5	2	F	3	950X750
1000X800X300	1.5	1.5	2	F	3	950X750
1000X800X400	1.5	1.5	2	F	3	950X750
1000X1000X250	1.5	1.5	2	G	3	950X950
1000X1000X300	1.5	1.5	2	G	3	950X950
1000X1000X400	1.5	1.5	2	G	3	950X950
1200X600X200	1.5	1.5	2	D	3	1150X550
1200X600X250	1.5	1.5	2	D	3	1150X550
1200X600X300	1.5	1.5	2	D	3	1150X550
1200X800X200	1.5	1.5	2	F	3	1150X750
1200X800X250	1.5	1.5	2	F	3	1150X750
1200X800X300	1.5	1.5	2	F	3	1150X750
1200X1000X250	1.5	1.5	2	G	3	1150X950
1200X1000X300	1.5	1.5	2	G	3	1150X950
1200X1000X400	1.5	1.5	2	G	3	1150X950
1200X1200X250	1.5	1.5	2	G	3	1150X1150
1200X1200X300	1.5	1.5	2	G	3	1150X1150
1200X1200X400	1.5	1.5	2	G	3	1150X1150
1400X600X300	1.5	1.5	2	D	3	1350X550
1400X800X300	1.5	1.5	2	F	3	1350X750
1400X800X400	1.5	1.5	2	F	3	1350X750
1400X1000X300	1.5	1.5	2	G	3	1350X950
1400X1000X400	1.5	1.5	2	G	3	1350X950
1400X1200X300	1.5	1.5	2	G	3	1350X1150



Fiberglass Box



Model	Dimension:W × H × D (mm)	Dimension:W × H × D (mm)	Weight(kg)	Description
AL-SMC-302514	300 × 250 × 140	350 × 300 × 190	3.5	Box Material:SMC Fix plate:steel
AL-SMC-403020	400 × 300 × 200	450 × 350 × 250	5.0	
AL-SMC-504020	500 × 400 × 200	550 × 450 × 250	8.0	
AL-SMC-604023	600 × 400 × 230	650 × 450 × 280	10.5	
AL-SMC-605023	600 × 500 × 230	650 × 550 × 280	14	
AL-SMC-806030	800 × 600 × 300	850 × 650 × 350	20	

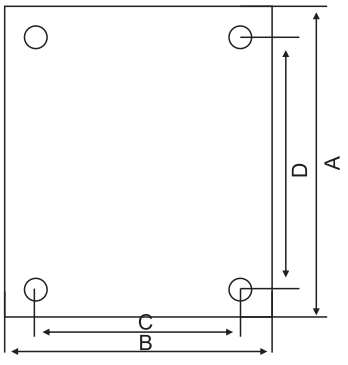
Fix Plate



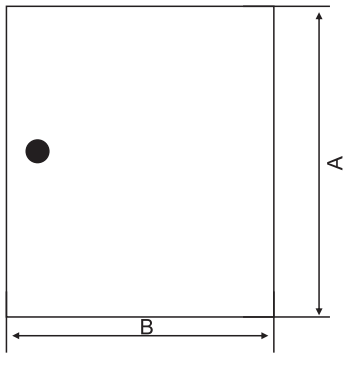
Model	Dimension:A (mm)	Dimension:B (mm)	Dimension:C (mm)	Dimension:D (mm)
AL-SMC-302514	268	213	248	175
AL-SMC-403020	358	260	338	222
AL-SMC-504020	158	360	438	322
AL-SMC-604023	558	360	538	322
AL-SMC-605023	558	460	538	422
AL-SMC-806030	754	556	734	518

Door

Model	Dimension:A (mm)	Dimension:B (mm)
AL-SMC-403020	366	258
AL-SMC-504020	466	358
AL-SMC-604023	566	358
AL-SMC-605023	566	458
AL-SMC-806030	766	658



Fix Plate



Door

Terminal & Cable Tie & Clips & Cable Gland & Cabinet Lock Axial Fan



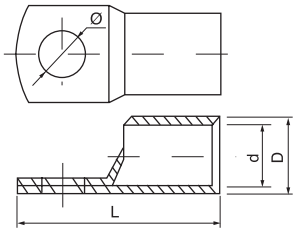
SC Copper Cable Lug.....141
A Wintersweet Shaped Red Copper Jointing Clamp.....141
B Wintersweet Shaped Copper Jointing Clamp.....142
GTY Copper Cable Connector.....142
DTL Copper-aluminium Cable Lug.....143
Spade Shaped Insulated Terminal.....145
Ring Shaped Insulated Terminal.....146
Pin Shaped Insulated Terminal.....147
Butt Shaped Insulated Terminal.....148
Male Insulated Disconnector.....149
Male and Female Full-Insulated Terminal.....149
Female Insulated Disconnector.....150
Long Full Insulated Middle Terminal.....150
Bullet & Receptacle Insulated Disconnector.....151
Fully Vinyl Insulated Disconnector.....152
Piggy Back Disconnector.....152
Insulated Ring Shaped Terminal.....153
Bullet Shaped Male and Female Full-Insulated Terminal.153
Cord Insulated End Terminal.....154
Cable Clamp.....154
TB TC Terminal Connector.....155
Terminal Blocks.....155
SM Insulating Connector.....156
UK Terminal Block.....156
Terminal Block.....157
Nylon Cable Tie.....158
Cable Clips.....159
P6 End Wire Connector.....160
P7 Self-screw Shell End Wire Connector.....160
P8 Double Wings End Wire Connector.....160
Self-Adhesive Cable Tie Base.....161
Spiral Wrapping Band.....161
Expand Nail.....162
Cable Marker.....162
Cable Marker Strip.....162
Din Rails.....162
PG Cable Gland.....163
PGL Cable Gland.....163
JG Insulating Closeover.....164
PG-N Cable Gland.....164
MG Cable Gland.....165
PG-T Metal Cable Gland.....165
Wiring Duct(Slotted).....166
PZC Wiring Duct.....167
Telephone Wiring Duct.....167
Round Type Wiring Duct.....167
Comb Busbar.....168
Heat Shrinkable Kits.....169
Heat Shrinkable Accessories.....169
Lock.....170-171
AC-Axial Fan.....172-174

SC Copper Cable Lug



1. Application

SC copper cable lugs are suitable for the connection of copper conductors (section 1.5-1000mm²) in power cable with electronic equipment. They are made of 99.9% pure tin coated copper tube T2. Working temperature is from -55℃ to +150℃.



2. Specification

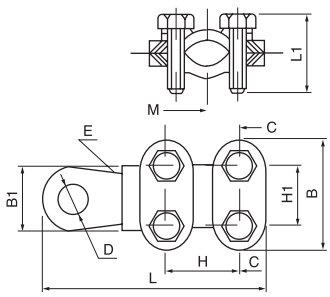
Type	Ø	D	d	L
SC-1.5	f4, f5	3.5	1.8	18
SC-2.5	f4, f5, f6	4	2.5	19
SC-4	f5, f6	4.8	3.1	21
SC-6	f5, f6, f8	5.5	3.8	24
SC-10	f6, f8	6.8	4.8	25.5
SC-16	f6, f8, f10	7.5	5.5	30.5
SC-25	f6, f8, f10, f12	9	7	34
SC-35	f8, f10, f12	10.5	8.2	38
SC-50	f8, f10, f12	12.5	9.8	45
SC-70	f8, f10, f12	14.5	11.5	50
SC-95	f10, f12	17.5	13.8	55.5
SC-120	f12, f16	19.5	15.5	63
SC-150	f12, f16	20.5	16.5	70
SC-185	f16	23.5	18.8	78
SC-240	f16	26	21	92
SC-300	f16, f20	30	24	102
SC-400	f16, f20	34	27	113
SC-500	f16, f20	38	30	123
SC-630	f20	45	35	135
SC-800	f22	50	40	170
SC-1000	f22	56	44	200

A Wintersweet Shaped Red Copper Jointing Clamp



1. Application

It is suitable for transition connection of the electric appliances of indoors distributing device and kinds of wire cables. It adopts T2 red copper, the surface nickle plating.

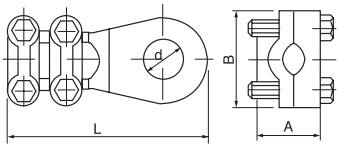


2. Specification

Type	L	L1	B	B1	H	H1	D	M
A16-25-1	39.5	15	25	16.5	13	13	8.5	5
A16-25-2	45	15	22	18	13	13	8.5	5
A25-35	52.5	15	24.5	21.2	13.5	13.5	10.5	5
A50-70	61	21	31	23	18.5	18.5	10.5	6
A70-95	69	24	35	23.5	20	20	10.5	6
A95-120	74	20.5	42	28.5	22.5	22.5	13.5	7
A120-150	73.5	30	41	27	24	24	13.5	8
A150-185	76	30	42	28	24.5	24.5	13.5	8
A185-240	80	32	44	30	25	25	13.5	8

B Wintersweet Shaped Copper Jointing Clamp





1. Application

It is suitable for transition connection of electronic apparatus with wire and cable in indoor distribution equipment, made of brass by die cast and coated nickle.

2. Specification

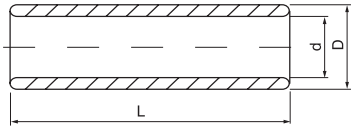
Type	L	A	B	d
B16-25	37	10	21	7.5
B25-35	48	13	22	11
B50-70	60	17	31	11
B120-150	70	23	35	15
B210-250	90	30	46	17

GTY Copper Cable Connector

1. Application

GTY series copper cable connectors are applicable for the connection of the circular wire with power supply cable in distribution equipment. They are made of tin coated 99.9% pure copper tube.





2. Specification

Type	D (mm)	d (mm)	L (mm)
GTY-1.5	3.7	1.8	20
GTY-2.5	4	2.5	20
GTY-4	4.8	3.1	20
GTY-5.5	5.5	3.8	25
GTY-10	6.8	4.8	30
GTY-16	7.5	5.5	35
GTY-25	9	7	40
GTY-35	10.5	8.2	45
GTY-50	12.5	9.8	50
GTY-70	14.5	11.5	55
GTY-95	17.5	13.5	60
GTY-120	19.5	15	65
GTY-150	21	16.5	70
GTY-185	23.5	18.5	75
GTY-240	26.5	21	80
GTY-300	30	24	85
GTY-400	34	27	90
GTY-500	38	30	100
GTY-630	45	35	110
GTY-800	50	39	150
GTY-1000	56	44	170

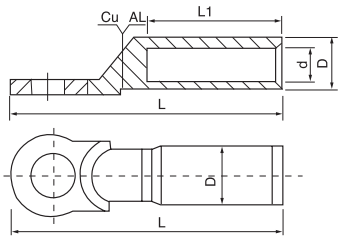
DTL Copper-aluminium Cable Lug

1. Application

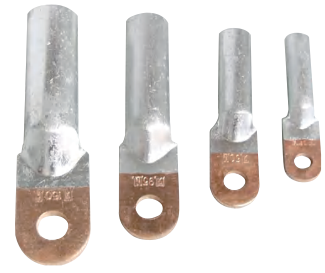


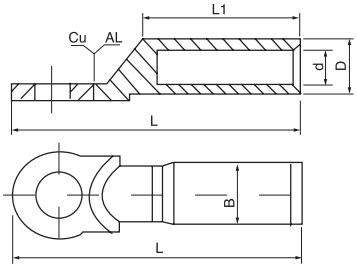
DTL series of copper-aluminum cable lug are suitable for transition connection of the circular aluminium wires, hemicyce-sector aluminium wires, power supply cables in the distribution equipment and copper terminals of the electrical equipment. The material of aluminium and copper is that of L3 and T2 respectively. The technology of friction welding is wonderfully adopted. Therefore they have distinguishing features of strong weld intensity, good nature in electrification, resistant galvanic corrosion and long service life.

2. Specification



Type	ø (mm)	D (mm)	d (mm)	L (mm)	L1 (mm)
DTL-2-16	13	16	5.5	87	42
DTL-2-25	13	16	6.5	87	42
DTL-2-35	13	16	8	87	42
DTL-2-50	13	20	9	87	43
DTL-2-70	13	20	11	87	43
DTL-2-95	13	20	12.5	87	43
DTL-2-120	13	25	13.5	111	60
DTL-2-150	13	25	15.5	111	60
DTL-2-185	13	32	17.5	116	60
DTL-2-240	13	32	19.5	116	60
DTL-2-300	13	34	22.5	120	62



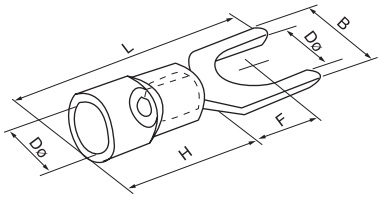


Type	ø (mm)	D (mm)	d (mm)	L (mm)	L1 (mm)	B (mm)
DTL-1-10	8.5	10	6	68	28	16
DTL-1-16	8.5	11	6	70	30	16
DTL-1-25	8.5	12	7	75	34	18
DTL-1-35	10.5	14	8.5	85	38	20.5
DTL-1-50	10.5	16	9.8	90	40	23
DTL-1-70	12.5	18	11.5	102	48	26
DTL-1-95	12.5	21	13.5	112	50	28
DTL-1-120	14.5	23	15	120	53	30
DTL-1-150	14.5	25	16.5	126	56	34
DTL-1-185	16.5	27	18.5	133	58	37
DTL-1-240	16.5	30	21	140	60	40
DTL-1-300	21	34	23.5	160	65	50
DTL-1-400	21	38	27	170	70	50
DTL-1-500	21	47	29	225	75	60
DTL-1-630	–	54	35	245	80	80
DTL-1-800	–	60	38	270	90	100

Spade Shaped Insulated Terminal

1. Specification





Lead section: 0.5~1.5mm²(22~16) Max current: =19A

Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
SV1.25-3	#4	3.2mm	5.7	21.2	6.5	10.0	4.3	Red
SV1.25-4	#8	4.3mm	6.4	21.2	6.5			
SV1.25-5	#10	5.3mm	8.1	21.2	6.5			
SV1.25-6	1/4	6.5mm	9.5	21.2	6.5			
SV1.25-6	1/4	6.5mm	12.0	21.2	11.0			

Lead section: 1.5~2.5mm²(16~14) Max current: =27A

Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
SV2-3	#4	3.2mm	5.7	21.2	6.5	10.0	4.9	Blue
SV2-4	#8	4.3mm	6.4	21.2	6.5			
SV2-5	#10	5.3mm	8.1	21.2	6.5			
SV2-6	1/4	6.5mm	9.5	21.2	6.5			

Lead section: 2.5~4mm²(14~12) Max current: =37A

Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
SV3.5-4	#8	4.3mm	8.0	24.8	7.0	12.5	6.2	Black
SV3.5-5	#10	5.3mm	8.0	24.8	7.0			
SV3.5-6	1/4	6.5mm	12.0	28.0	12.1			

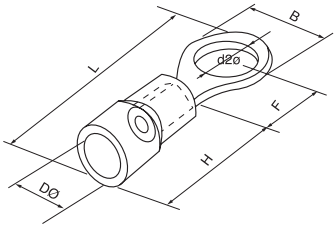
Lead section: 4~6mm²(12~10) Max current: =48A

Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
SV5.5-4	#8	4.3mm	8.3	25.2	7.5	12.5	6.7	Yellow
SV5.5-5	#10	5.3mm	9.0	23.9	7.5			
SV5.5-6	1/4	6.5mm	9.0	23.9	7.5			
SV5.5-8	5/16	8.4mm	14.0	30.0	11.5			

Ring Shaped Insulated Terminal

1. Specification





Lead section: 0.5~1.5mm²(22~16) Max current: =19A

Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
RV1.25-3	#4	3.2mm	5.7	17.8	4.95	10.0	4.3	Red
RV1.25-3.5	#6	3.7mm	5.7	17.8	4.95			
RV1.25-3.5	#6	3.7mm	6.6	20.1	6.3			
RV1.25-3.5	#6	3.7mm	8.0	21.5	7.0			
RV1.25-4	#8	4.3mm	6.6	20.1	6.3			
RV1.25-4	#8	4.3mm	8.0	21.5	7.0			
RV1.25-5	#10	5.3mm	8.0	21.5	7.0			
RV1.25-6	1/4	6.5mm	11.6	27.5	11.1			
RV1.25-8	5/16	8.4mm	11.6	27.5	11.1			
RV1.25-10	3/8	10.5mm	13.6	31.6	13.9			

Lead section: 1.5~2.5mm²(16~14) Max current: =27A

Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
RV2-3	#4	3.2mm	6.6	17.8	4.3	10.0	4.9	Blue
RV2-3.5	#6	3.7mm	6.6	17.8	4.3			
RV2-3.5	#6	3.7mm	6.6	21.0	7.0			
RV2-3.5	#6	3.7mm	8.5	22.5	7.75			
RV2-4	#8	4.3mm	6.6	21.0	7.0			
RV2-4	#8	4.3mm	8.5	22.5	7.75			
RV2-5	#10	5.3mm	8.5	22.5	7.75			
RV2-5	#10	5.3mm	9.5	22.5	7.25			
RV2-6	1/4	6.5mm	12.0	27.6	11.0			
RV2-8	5/16	8.4mm	12.0	27.6	11.0			
RV2-10	3/8	10.5mm	13.6	30.2	13.9			

Lead section: 2.5~4mm²(14~12) Max current: =37A

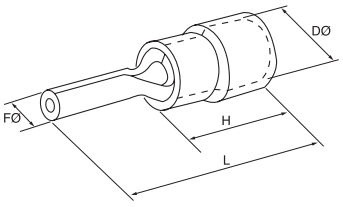
Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
RV3.5-4	#8	4.3mm	8.0	24.5	7.7	12.5	6.2	Black
RVS3.5-5	#10	5.3mm	8.0	24.6	7.7			
RVL3.5-5	#10	5.3mm	12.0	27.9	7.7			
RV3.5-6	1/4	6.5mm	12.0	27.9	7.7			

Lead section: 4~6mm²(12~10) Max current: =48A

Item.No.	Number of ANSI bolt	Diameter of bolt mouth d2	B (mm)	L (mm)	F (mm)	H (mm)	DØ (mm)	Color
RV5.5-3.5	#6	3.7mm	7.2	21.4	5.9	12.5	6.7	Yellow
RV5.5-4	#8	4.3mm	7.2	21.5	5.9			
RV5.5-4	#8	4.3mm	9.5	25.5	8.3			
RV5.5-5	#10	5.3mm	9.5	25.5	8.3			
RV5.5-6	1/4	6.5mm	12.0	31.5	13.0			
RV5.5-8	5/16	8.4mm	15.0	33.7	13.7			
RV5.5-10	3/8	10.5mm	15.0	33.7	13.7			
RV5.5-12	1/2	13.0mm	19.2	38.1	16.0			

Pin Shaped Insulated Terminal





1. Specification

Lead section: 0.5~1.5mm²(22~16) Max current: =19A

Item.No.	FØ (mm)	Dimension (mm)			Color
		L	H	DØ	
PTV1.25-9	1.9	19.0	10.0	4.3	Red
PTV1.25-10	1.9	20.0			
PTV1.25-12	1.9	22.0			
PTV1.25-13	1.9	23.0			

Lead section: 1.5~2.5mm²(16~14) Max current: =27A

Item.No.	FØ (mm)	Dimension (mm)			Color
		L	H	DØ	
PTV2-9	1.9	19.0	10.0	4.9	Blue
PTV2-10	1.9	20.0			
PTV2-12	1.9	22.0			
PTV2-13	1.9	23.0			

Lead section: 4~6mm²(12~10) Max current: =48A

Item.No.	FØ (mm)	Dimension (mm)			Color
		L	H	DØ	
PTV5.5-13	2.8	25.5	12.5	6.7	Yellow

Lead section: 0.5~1.5mm²(22~16) Max current: =19A

Item.No.	Dimension (mm)			
	W	L	F	C
DBV1.25-10	2.3	20.0	10.0	4.3
DBV1.25-11	3.0	21.0	11.0	
DBV1.25-14	3.0	24.0	14.0	
DBV1.25-18	2.3	28.0	18.0	

Lead section: 1.5~2.5mm²(16~14) Max current: =27A

Item.No.	Dimension (mm)			
	W	L	F	C
DBV2-9	2.8	19.0	9.0	4.9
DBV2-18	2.3	28.0	18.0	

Lead section: 4~6mm²(12~10) Max current: =48A

Item.No.	Dimension (mm)			
	W	L	F	C
DBV5.5-10	2.8	22.5	10.0	5.6

Butt Shaped Insulated Terminal

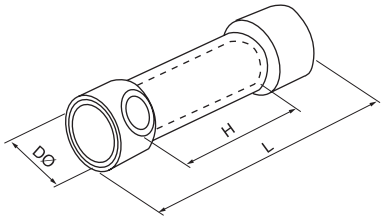


1. Specification

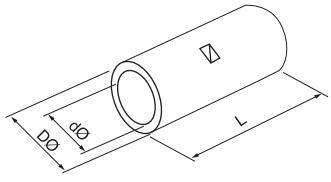
Item.No.	AWG	mm²	Dimension (mm)			Max	Color
			I	DØ	L		
BV1.25	22~16	0.5~1.5	15.0	1.7	26.0	19A	Red
BV2	16~14	1.5~2.5	15.0	2.3	26.0	27A	Blue
BV5.5	12~10	4~6	15.0	3.4	26.0	48A	Yellow
BV8	#8	6~10	21.0	4.5	32.0	62A	Red
BV14	#6	10~16	26.0	5.8	42.0	88A	Blue
BV22	#4	16~25	29.0	7.7	50.0	115A	Yellow
BV38	#2	35~50	32.0	9.4	55.0	160A	Red

Item.No.	AWG	mm²	Dimension (mm)			Max	Color
			I	DØ	L		
PVT1.25	22~16	0.5~1.5	8.0	1.7	16.0	19A	Red
PVT2	16~14	1.5~2.5	8.0	2.3	16.0	27A	Blue
PVT5.5	12~10	4~6	8.5	3.4	20.5	48A	Yellow

Item.No.	Dimension (mm)			Wire Range		
	I	DØ	dØ	Single (mm)	Twin (mm²)	A.W.G
B-1.25	16.5	3.3	1.9	0.57~1.44	0.25~1.65	22~16
B-2	16.5	4.0	2.6	1.44~1.82	1.04~2.63	16~14
B-5.5	16.5	5.5	3.7	1.82~2.89	2.63~6.64	12~10
B-8	22.5	7.1	5.1	2.89~3.56	6.64~10.52	8
B-14	27.5	9.0	6.4	3.56~4.62	10.52~16.78	6
B-22	30.5	11.4	8.2	4.62~5.81	16.78~26.66	4
B-38	33.5	13.3	10.1	5.81~7.34	26.66~42.42	2
B-60	36.0	15.4	12.0	7.34~8.26	42.42~60.57	1/0
B-70	37.8	17.4	14.0	8.26~9.27	60.57~76.28	2/0
B-80	39.5	19.4	15.4	9.27~10.41	76.28~96.3	3/2
B-100	39.5	22.0	17.6	10.41~11.68	96.6~117.2	4/0
B-125	43.4	24.1	19.2	10.01~12.7	107.2~130.4	4/0
B-150	55.5	26.0	20.9	11.68~13.8	117~152.05	250~300MCM
B-180	58.5	28.6	22.0	13.8~15.6	152.05~192.6	300~350MCM
B-200	64.5	32.5	25.7	15.6~17.5	192.6~242.2	400MCM
B-250	64.5	32.5	25.7	15.6~17.5	192.6~242.2	400MCM
B-325	73.5	37.0	29.0	17.5~20.3	242.2~325	500~600MCM



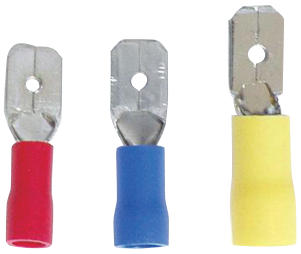
Butt Insulated Terminal



Butt Terminal

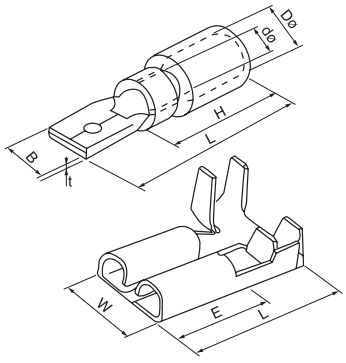
Male Insulated Disconnector

1. Specification



Lead section: 0.5~1.5mm²(22~16) Max current: =10A

Item.No.	Meme Tab (mm)	Thickness (mm)	Dimension (mm)				
			B	dØ	DØ	L	H
MDD1.25-11(8)	0.8 x 2.8	0.8	2.8	1.70	4.3	17.7	10
MDD1.25-187(5)	0.5 x 4.75	0.5	4.75	1.70	4.3	20.0	10
MDD1.25-187(8)	0.8 x 4.75	0.8	4.75	1.70	4.3	18.5	10
MDD1.25-250	0.8 x 6.35	0.4	6.35	1.70	4.3	21.0	10



Lead section: 1.5~2.5mm²(16~14) Max current: =15A

Item.No.	Meme Tab (mm)	Thickness (mm)	Dimension (mm)				
			B	dØ	DØ	L	H
MDD2-187(5)	0.5 x 4.75	0.5	4.75	2.3	4.3	20.0	10
MDD2-187(8)	0.8 x 4.75	0.8	4.75	2.3	4.3	18.5	10
MDD2-250	0.8 x 6.35	0.4	6.35	2.3	4.3	21.0	10

Lead section: 4~6mm²(12~10) Max current: =24A

Item.No.	Meme Tab (mm)	Thickness (mm)	Dimension (mm)				
			B	dØ	DØ	L	H
MDD5.5-250	0.8 x 6.35	0.4	6.35	3.4	5.7	25.0	14.0

Male and Female Full-Insulated Terminal

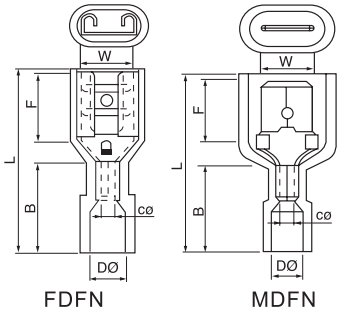


• Max. Current: 10A • Metal: Brass • Insulated Material: Nylon

Item.No.	Specification	Dimension(mm)							Fig	A.W.G mm²	Color
		W	F	L	B	DØ	CØ	T			
FDFN 1.25-250	0.8 x 6.35	6.6	7.3	22.0	11.0	4.0	1.7	0.4	1	22-16A.W.G 0.5-1.5mm²	Red
MDFN 1.25-250		6.35	7.7	23.0					2		

• Max. Current: 15A • Metal: Brass • Insulated Material: Nylon

Item.No.	Specification	Dimension(mm)							Fig	A.W.G mm²	Color
		W	F	L	B	DØ	CØ	T			
FDFN 2-250	0.8 x 6.35	6.6	7.3	22.0	11.0	4.0	2.3	0.4	1	16-14A.W.G 1.5-2.5mm²	Blue
MDFN 2-250		6.35	7.7	24.0					2		



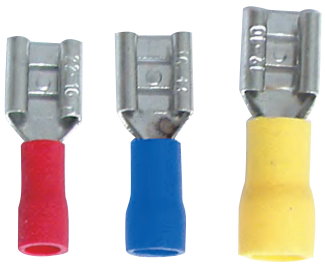
FDFN MDFN

• Max. Current: 24A • Metal: Brass • Insulated Material: Nylon

Item.No.	Specification	Dimension(mm)							Fig	A.W.G mm²	Color
		W	F	L	B	DØ	CØ	T			
FDFN 5.5-250	0.8 x 6.35	6.6	7.3	22.0	13.0	6.3	3.4	0.4	1	12-10A.W.G 4-6mm²	Yellow
MDFN 5.5-250		6.35	7.7	25.0					2		

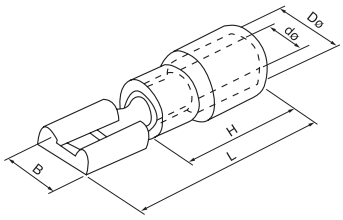
Female Insulated Disconnector

1. Specification



Lead section: 0.5~1.5mm²(22~16) Max current: =10A

Item.No.	Meme Tab (mm)	Thickness (mm)	Dimension (mm)				
			B	dØ	DØ	L	H
FDD1.25-110(5)	0.5 x 2.8	0.3	3.8	1.70	3.80	19.0	19.0
FDD1.25-110(8)	0.8 x 2.8	0.3	3.8	1.70	3.80	19.0	19.0
FDD1.25-187(5)	0.5 x 4.75	0.35	5.6	1.70	3.80	19.0	19.0
FDD1.25-187(8)	0.8 x 4.75	0.35	5.6	1.70	3.80	19.0	19.0
FDD1.25-250	0.8 x 6.35	0.4	7.4	1.70	3.80	21.0	21.0



Lead section: 1.5~2.5mm²(16~14) Max current: =15A

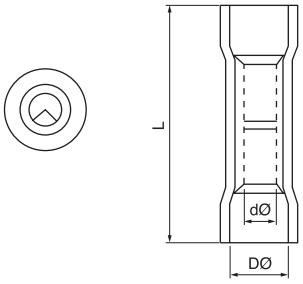
Item.No.	Meme Tab (mm)	Thickness (mm)	Dimension (mm)				
			B	dØ	DØ	L	H
FDD2-110(5)	0.5 x 0.8	0.3	3.8	2.3	4.3	19.0	10
FDD2-110(8)	0.8 x 2.8	0.3	3.8	2.3	4.3	19.0	10
FDD2-187(5)	0.5 x 4.75	0.35	5.6	2.3	4.3	19.0	10
FDD2-187(8)	0.8 x 4.75	0.35	5.6	2.3	4.3	19.0	10
FDD2-250	0.8 x 6.35	0.4	7.4	2.3	4.3	21.0	10
FDD2-312	0.8 x 0.8	0.4	9.0	2.3	4.3	23.0	10

Lead section: 4-6mm²(12-10) Max current: 24A

Item.No.	Meme Tab (mm)	Thickness (mm)	Dimension (mm)				
			B	dØ	DØ	L	H
FDD5.5-250	0.5 x 3.65	0.4	7.4	3.4	5.7	25.0	14.0
FDD5.5-375	1.2 x 9.4	0.5	10.9	3.4	5.7	25.0	14.0



Long Full Insulated Middle Terminal



- Max. Current: 26-22A.W.G: 9A 22-16A.W.G: 19A
  16-14A.W.G: 27A 12-10A.W.G: 48A
- Max. Endure Voltage: 105°C Ui=600V
- Insulated Material: Nylon

Item.No.	Dimension(mm)			A.W.G mm²	Color
	L	DØ	CØ		
BNY-1.25	27.3	3.2	1.7	22-16 A.W.G 0.5-1.5mm²	Red
BNY-2	27.3	3.8	2.3	16-14 A.W.G 1.5-2.5mm²	Blue
BNY-5.5	27.3	5.3	3.4	12-10 A.W.G 4-6mm²	Yellow

Bullet & Receptacle Insulated Disconnector

1. Specification



Lead section: 0.5~1.5mm²(22~16) Max current: =10A

Item.No.	Thickness (mm)	Dimension (mm)						Color
		bØ	F	DØ	dØ	H	L	
MPD1.25-156	0.4	4.0	11.0	2.7	1.7	10.0	21.0	Red

Lead section: 1.5~2.5mm²(16~14) Max current: =15A

Item.No.	Thickness (mm)	Dimension (mm)						Color
		bØ	F	DØ	dØ	H	L	
MPD2-156	0.4	4.0	16.0	2.7	1.7	10.0	21.0	Blue
MPD2-195	0.4	5.0	16.0	2.7	1.7	10.0	21.0	

Lead section: 4~6mm²(12~10) Max current: =24A

Item.No.	Thickness (mm)	Dimension (mm)						Color
		bØ	F	DØ	dØ	H	L	
MPD5.5-195	0.4	4.0	11.0	4.5	3.4	14.0	25.0	Yellow

Lead section: 0.5~1.5mm²(22~16) Max current: =10A

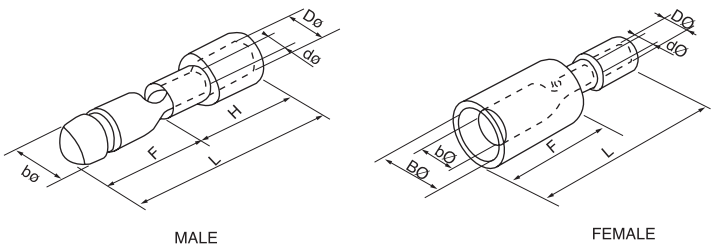
Item.No.	Thickness (mm)	Dimension (mm)						Color
		bØ	F	DØ	dØ	H	L	
FRD1.25-156	0.4	4.0	16.0	2.7	1.7	13.0	24.5	Red

Lead section: 1.5~2.5mm²(16~14) Max current: =15A

Item.No.	Thickness (mm)	Dimension (mm)						Color
		bØ	F	DØ	dØ	H	L	
FRD2-156	0.4	4.0	6.3	3.3	2.3	14.0	24.5	Blue
FRD2-195	0.4	5.0	7.0	3.3	2.3	14.0	24.5	

Lead section: 4~6mm²(12~10) Max current: =24A

Item.No.	Thickness (mm)	Dimension (mm)						Color
		bØ	F	DØ	dØ	H	L	
FRD5.5-195	0.4	5.0	7.0	4.5	3.4	14.0	29.5	Yellow

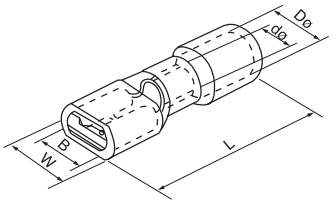


MALE FEMALE

Fully Vinyl Insulated Disconnector

1. Specification





Lead section: 0.5~1.5mm²(22~16) Max current: =10A

Item.No.	Meme Tab (mm)	Dimension (mm)				
		W	B	DØ	dØ	L
FDFD1.25-187(5)	0.5 x 4.75	5.6	3.28	4.0	1.7	20.0
FDFD1.25-187(8)	0.8 x 4.75	5.6	3.28	4.0	1.7	20.0
FDFD1.25-250	0.8 x 6.35	7.4	3.28	4.0	1.7	21.5

Lead section: 1.5~2.5mm²(16~14) Max current: =15A

Item.No.	Meme Tab (mm)	Dimension (mm)				
		W	B	DØ	dØ	L
FDFD2-187(5)	0.5 x 4.75	5.6	5.0	4.5	2.3	20.0
FDFD2-187(8)	0.8 x 4.75	5.6	5.0	4.5	2.3	20.0
FDFD2-250	0.8 x 6.35	7.4	5.0	4.5	2.3	21.5

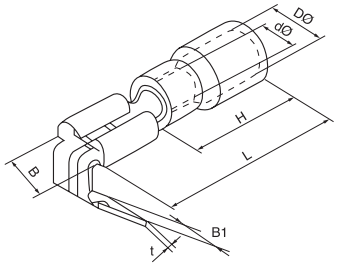
Lead section: 4~6mm²(12~10) Max current: =24A

Item.No.	Meme Tab (mm)	Dimension (mm)				
		W	B	DØ	dØ	L
FDFD5.5-250	0.8 x 6.35	7.4	6.6	5.7	3.4	25.5

Piggy Back Disconnector

1. Specification





Lead section: 0.5~1.5mm²(22~16) Max current: =10A

Item.No.	Meme Tab (mm)	Dimension (mm)					
		B	B1	B	DØ	dØ	L
PBDD1.25-250	0.8 x 6.35	7.4	6.3	10.0	3.8	1.7	21.5

Lead section: 1.5~2.5mm²(16~14) Max current: =15A

Item.No.	Meme Tab (mm)	Dimension (mm)					
		B	B1	B	DØ	dØ	L
PBDD2-250	0.8 x 6.35	7.4	6.3	10.0	4.3	2.3	21.5

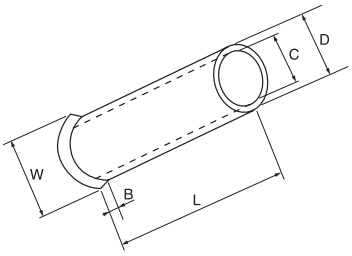
Lead section: 4~6mm²(12~10) Max current: =24A

Item.No.	Meme Tab (mm)	Dimension (mm)					
		B	B1	B	DØ	dØ	L
PBDD5.5-250	0.8 x 6.35	7.4	6.3	14.0	5.7	3.4	25.0

Insulated Ring Shaped Terminal

1. Specification



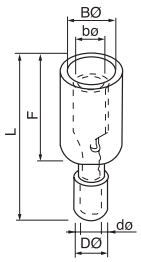


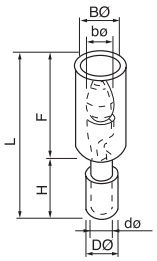
Item.No.	Dimension (mm)					A.W.G	mm²
	L	D	C	B	W		
EN0506	6.0	1.3	1.0	0.7	2.1	#22	0.5
EN75.6	6.0	1.5	1.2	0.7	2.5	#20	0.75
EN1006	6.0	1.7	1.4	0.7	2.7	#18	1.0
EN1010	10.0						
EN1507	7.0	2.0	1.7	1.0	3.5	#16	1.5
EN1510	10.0						
EN2507	7.0	2.5	2.2	1.0	2.5	#14	2.5
EN2512	12.0						
EN4009	9.0	3.2	2.8	1.0	4.0	#12	4.0
EN4012	12.0						
EN6010	10.0	3.9	3.5	1.0	4.8	#10	6.0
EN6012	12.0						
EN6015	15.0						
EN10-12	12.0	4.9	4.5	1.2	5.8	#7	10.0
EN10-15	15.0						
EN10-18	18.0						
EN16-12	12.0	6.2	5.8	1.5	7.5	#5	16.0
EN16-15	15.0						
EN16-18	18.0						
EN25-16	16.0	7.9	7.5	1.8	9.2	4	25
EN25-22	22.0						
EN35-16	16.0	8.7	8.3	2.0	10	2	35
EN35-25	25.0						
EN50-20	20.0	10.9	1.3	2.0	12.4	1	50
EN50-25	25.0						



Bullet Shaped Male and Female Full-Insulated Terminal

- Max. Current: 22-16A.W.G: 19A 16-14A.W.G: 27A
- Metal: Brass • Insulated Material: Nylon

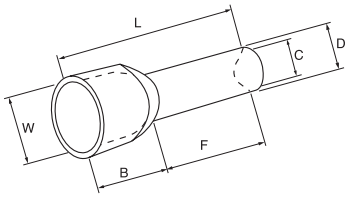




Item.No.	Dimension(mm)							Fig	A.W.G mm²	Color
	BØ	bØ	DØ	dØ	L	F	H			
FDFNY 1.25-156	6.9	6.9	3.2	1.8	26.0	15.0	11.0	1	22-16A.W.G 0.5-1.5mm²	Red
MPFNY 1.25-156	7.4	3.9	3.2	1.8	27.5	16.5	11.0	2	22-16A.W.G 0.5-1.5mm²	Red
FDFNY 2-156	6.9	4.0	3.9	2.4	26.0	15.5	11.0	1	16-14A.W.G 1.5-2.5mm²	Blue
MPFNY 2-156	7.4	4.0	3.9	2.4	27.5	16.5	11.0	2	16-14A.W.G 1.5-2.5mm²	Blue

Cord Insulated End Terminal





1. Specification

Item.No.	Dimension (mm)						A.W.G	mm²	Insulation Color
	F	L	W	B	D	C			
E0506	6.0	12.0	2.6	6.0	1.3	1.0	#22	0.5	Orange White
E0508	8.0	14.0							
E0510	10.0	16.0							
E7506	6.0	12.4	2.8	6.4	1.5	1.2	#20	0.75	White Blue
E7508	8.0	14.6							
E7510	10.0	16.4							
E7512	12.0	18.4							
E1008	8.0	14.6	3.0	6.4	1.7	1.4	#18	1.0	Yellow Red
E1010	10.0	16.4							
E1012	12.0	18.4							
E1508	8.0	14.6	3.5	6.4	2.0	1.7	#16	1.5	Red Black
E1510	10.0	16.4							
E1518	18.0	24.4							
E2508	8.0	15.2	4.0	7.5	2.6	2.3	#14	2.5	Blue Grey
E2512	12.0	19.0							
E2518	18.0	25.0							
E4009	9.0	16.5	4.4	7.5	3.2	2.8	#12	4.0	Grey Orange
E4012	12.0	19.5							
E4018	18.0	25.5							
E6012	12.0	20.0	6.3	8.0	3.9	3.5	#10	6.3	Black Green
E6018	18.0	26.0							
E10-12	12.0	24.5	7.6	9.5	4.9	4.5	#7	10.0	Milky White Brown Green
E10-18	18.0	27.5							
E16-12	12.0	22.0	8.8	10.2	6.2	5.8	#5	16.0	Green Milky White
E16-18	18.0	28.2							
E25-16	18.0	29.0	11.2	13.0	7.9	7.5	#4	25.0	Brown Green Black
E25-22	22.0	35.0							
E35-16	16.0	30.0	12.7	14.0	8.7	8.3	#2	35.0	Greyish Brown
E35-25	25.0	39.0							
E50-20	20.0	36.0	15.3	16.0	10.9	10.3	#1	50.0	Olive
E50-25	25.0	41.0							

Cable Clamp



AL16²-70²-1



AL16²-70²-2



AL16²-150²



AL25²-185²



AL95²-120²



AL50²-70²



AL25²-35²



CU8-50²
AL16-70²/12M²



CU8-50²
AL16-70²-1



CU8-50²
AL16-70²-2



CU10-95²
AL25-150²



CU35-240²
AL35-300²



16mm



35mm



50mm



70mm

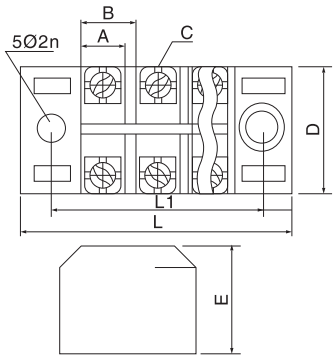
TB TC Terminal Connector



TB



TC

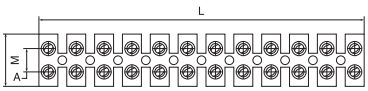


1. Specification

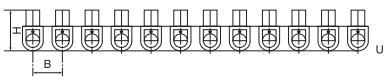
Type	Current	No. of poles	Dimension (mm)								
			L	L1	A	B	C	D	E	F	G
TB-1503	15A	3	46	36.5	7.5	9	M3	22	17		
TB-1504		4	55	45.5	7.5	9	M3	22	17		
TB-1506		6	73	63.5	7.5	9	M3	22	17		
TB-1512		12	127	118	7.5	9	M3	22	17		
TB-2503	25A	3	50	40	10.5	12	M4	30	20		
TB-2504		4	62.5	57	10.5	12	M4	30	320		
TB-2506		6	91	81.5	10.5	12	M4	30	20		
TB-2512		12	163	153	10.5	12	M4	30	20		
TB-3503	35A	3	50	40	10.5	12	M4	30	20		
TB-3504		4	62.5	57	10.5	12	M4	30	20		
TB-3506		6	91	81.5	10.5	12	M4	30	20		
TB-3512		12	163	153	10.5	12	M4	30	20		
TB-4503	45A	3	70	60.5	15	17	M5	38	23.5		
TB-4504		4	86	75.5	15	17	M5	38	23.5		
TB-4506		6	120.5	110	15	17	M5	38	23.5		
TB-4512		12	224	212	15	17	M5	38	23.5		
TB-603	60A	3	70.5	65.5	15.5	18	M6	38	31		
TB-604		4	93.5	82.5	15.5	18	M6	38	31		
TB-606		6	129	118	15.5	18	M6	38	31		
TB-1003	100A	3	86.5	75.5	22	20	M6	43.5	35		
TB-1004		4	108	96	22	20	M6	43.5	35		
TB-1006		6	153	140	22	20	M6	43.5	35		
TC-603	60A	3	28.5	86.5	38	42.7	25.5	31	15	17	M6
TC-604		4	28.5	115	38	42.7	25.5	31	15	17	M6
TC-1003	100A	3	34.5	113.5	46.5	55.2	28	36.3	17.3	22.5	M6
TC-1004		4	34.5	137.5	46.5	55.2	28	36.	17.3	22.5	M6
TC-1503	150A	3	38.5	115	57.2	67	30.5	340	19.8	25.3	M8
TC-1504		4	38.5	153	57.2	67	30.5	40	19.8	25.3	M8
TC-2003	200A	3	44.5	133	63	72.1	34	44.4	23	28.3	M8
TC-2004		4	44.5	177	63	72.1	34	44.4	23	28.3	M8
TC-3003	300A	3	55	164	78	89.4	47.5	50.6	27	30	M10
TC-3004		4	55	218	78	89.4	47.5	50.6	27	30	M10
TC-4003	400A	3	55	164	78	89.4	47.5	50.6	27	36	M10
TC-4004		4	55	218	78	89.4	47.5	50.6	27	36	M10











Terminal Blocks

TERMINAL BLOCKS H, U(W), V(F) TYPE

Material: made of PA, PE or PP.

Item.No.	mm^2	L	W	H	A	B	VOLT	Packing
TBS-3A	4	93	16	12	6	8	400V	10PCS
TBS-6A	6	115	15.7	13	6.5	9.5	400V	
TBS-10A	10	126	20.2	15.5	8.4	10.5	400V	
TBS-16A	12	139	23	17.7	10.3	12	400V	
TBS-20A	14	155	25	19.2	11.5	13.5	400V	
TBS-30A	16	171	26	20.5	12	14.5	400V	
TBS-60A	25	192	30	26	13.5	16.5	400V	
TBS-80A	35	205	33	27	15	17	400V	
TBS-100A	40	250	46	31	22	21	400V	

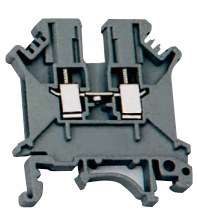
SM Insulating Connector

Values	Style					
	SM-25	SM-30	SM-35	SM-40	SM-51	SM-76
Tensile strength (lbs)	500	550	600	650	1000	1500
Tongue strength (ft lbs)	6	8	10	10	20	40
Voltage withstand (kV)	6	8	10	12	15	25
Screw (mm)	6	8	8	8	8	10
Weight (g)	28	44	50	86	83	233

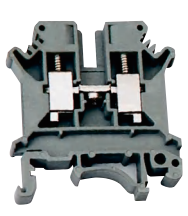


SM

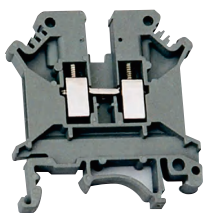
UK Terminal Block



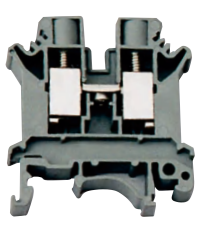
UK 2.5N



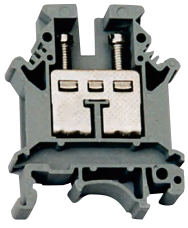
UK 3N



UK 5N



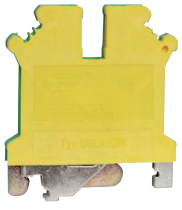
UK 10N



UK 16N



USLKG 2.5/35



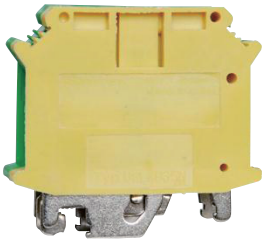
USLKG 3/35



USLKG 10/35



USLKG 16/35



USLKG 35/35

Model	Hard Wire (mm^2)	Soft Wire (mm^2)	Rated Current (A)	Rated Voltage (V)	Dimension (mm)
UK2.5B	0.2-4	0.2-2.5	32	690	6.2 x 42.5 x 42
UK3N	0.2-4	0.2-2.5	32	800	6.2 x 42.5 x 42
UK5N	0.2-6	0.2-4	41	800	6.2 x 42.5 x 47
UK6N	0.2-10	0.2-2.5	57	800	6.2 x 42.5 x 47
UK10N	0.5-16	0.5-10	76	800	10.2 x 42.5 x 47
UK16N	2.5-25	4-16	101	800	12.2 x 42.5 x 54
UK35N	0.75-50	0.75-35	150	1000	15.2 x 50.0 x 62
UKH50	16-50	25-50	150	1000	20 x 70.5 x 83.5
UKH95	25-95	35-95	232	1000	25 x 83 x 97.5
UKH150	35-150	50-150	309	1000	31 x 100 x 118.5

Model	Hard Wire (mm^2)	Soft Wire (mm^2)	Rated Current (A)	Dimensions (mm)
USLKG2.5	0.2-4	0.2-2.5	32	6.2 x 42.5 x 42
USLKG3	0.2-4	0.2-2.5	32	6.2 x 42.5 x 47
USLKG5	0.2-6	0.2-4	41	6.2 x 42.5 x 47
USLKG6N	0.2-10	0.2-6	57	8.2 x 42.5 x 47
USLKG10N	0.5-16	0.5-10	76	10.2 x 42.5 x 47
USLKG16N	2.525	4-16	101	12.2 x 42.5 x 54
USLKG35N	0.75-50	0.75-35	150	15.2 x 50.0 x 62
USLKG50	16-50	25-50	150	20 x 70.5 x 81.5

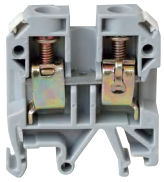
Terminal Block



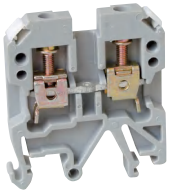
JXB 2.5/35



JXB 4/35



JXB 6/35



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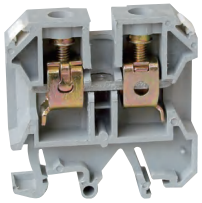

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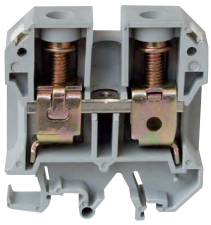

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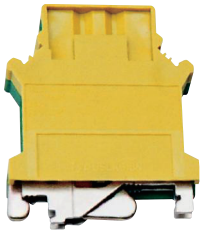
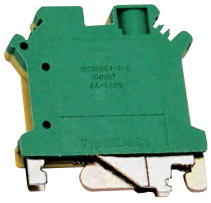


JB 2.5/35



JB 4/35



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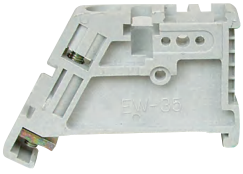
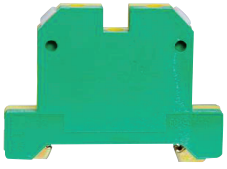


End Stopper



Separator



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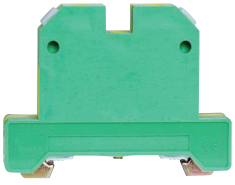

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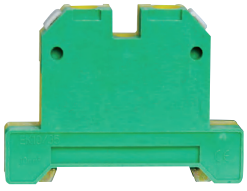

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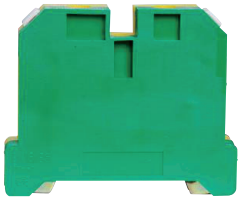
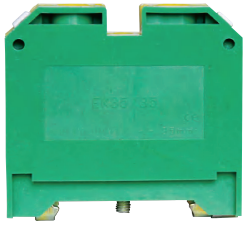


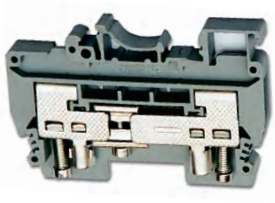
EK 16/35



EK 35/35

1. Specification

Terminal Connector	JXB-2.5/35	JXB-4/35	JXB-6/35	JXB-10/35	JXB-16/35	JXB-35/35	JXB-50/35	JXB-70/35	JXB-95/35	JXB-150/35
Earth Connector	EK-2.5/35	EK-4/35	EK-6/35	EK-10/35	EK-16/35	EK-35/35				



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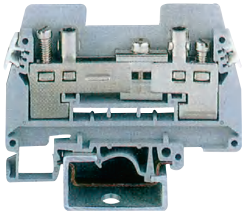
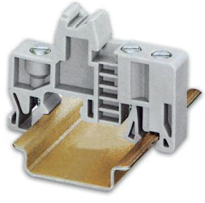


URTKSS



E/UK



End Stopper

Nylon Cable Tie

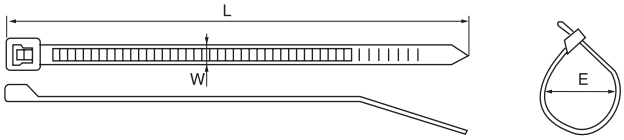


1. Application

Material: Nylon 66, 94V-2
Heat-resisting, erosion control & insulate.
Operating temperature: -40°C to 85°C.
Color: Natural (or white, standard color), UV black and other colors are available as requested.

2. Specification

Item NO.	L (mm)	W (mm)	Bundle diameter (mm)	Min.loop tensile strength	
		Model A		LBS	KGS
3 x 60	60	2.5	2-11	18	8
3 x 80	80	2.5	2-16	18	8
3 x 90	90	2.5	2-18	18	8
3 x 100	100	2.5	2-22	18	8
3 x 120	120	2.5	2-0	18	8
3 x 140	140	2.5	2-33	18	8
3 x 150	150	2.5	2-35	18	8
3 x 160	160	2.5	2-40	18	8
3 x 200	200	2.5	3-50	18	8
4 x 140	140	3.6	3-33	40	18
4 x 150	150	3.6	3-35	40	18
4 x 180	180	3.6	3-42	40	18
4 x 200	200	3.6	3-50	40	18
4 x 250	250	3.6	3-65	40	18
4 x 280	280	3.6	3-70	40	18
4 x 300	300	3.6	3-80	40	18
4 x 370	370	3.6	3-102	40	18
5 x 120	120	4.8	3-24	50	22
5 x 180	180	4.8	3-42	50	22
5 x 190	190	4.8	3-46	50	22
5 x 200	200	4.8	3-50	50	22
5 x 250	250	4.8	3-65	50	22
5 x 280	280	4.8	3-70	50	22
5 x 300	300	4.8	3-82	50	22
5 x 350	350	4.8	3-90	50	22
5 x 380	380	4.8	3-102	50	22
5 x 400	400	4.8	3-105	50	22
5 x 430	430	4.8	3-110	50	22
5 x 450	450	4.8	3-130	50	22
8 x 150	150	7.6	3-33	120	55
8 x 180	180	7.6	3-42	120	55
8 x 200	200	7.6	3-50	120	55
8 x 250	250	7.6	4-63	120	55
8 x 300	300	7.6	4-82	120	55
8 x 350	350	7.6	4-90	120	55
8 x 400	400	7.6	4-105	120	55
8 x 450	450	7.6	4-118	120	55
8 x 500	500	7.6	4-150	120	55
9 x 550	550	9.0	8-160	175	80
9 x 650	650	9.0	8-190	175	80
9 x 760	760	9.0	10-225	175	80
9 x 920	920	9.0	10-265	175	80
9 x 1020	1020	9.0	10-295	175	80
10 x 450	450	10.0	10-125	200	91
10 x 500	500	10.0	12-150	200	91
10 x 600	600	10.0	12-175	200	91
10 x 700	700	10.0	12-205	200	91
12 x 650	650	12.0	14-190	250	114
12 x 750	750	12.0	10-220	250	114

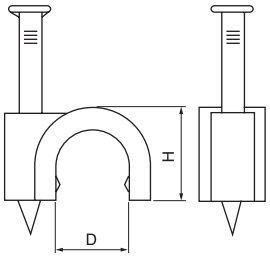


Cable Clips

- PE(white, grey), elasticity and shock resisting.
- Inserting type, nail attached in clips.
- Save time and cost.







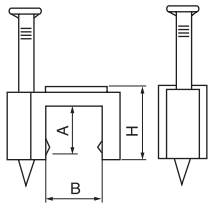
1. Specification

Round nail clips

Item.No.	H (mm)	D (mm)	Nail
R-3.5MM	4.5	3.5	1.7 x 14
R-4MM	5.3	4.0	1.7 x 14
R-5MM	6.3	5.0	1.7 x 14
R-6MM	7.4	6.0	1.85 x 16
R-7MM	8.4	7.0	1.85 x 18
R-8MM	9.4	8.0	1.95 x 19
R-9MM	10.4	9.0	2.05 x 22
R-10MM	11.4	10.0	2.20 x 23
R-12MM	13.4	12.0	2.35 x 25
R-14MM	16.4	14.0	2.35 x 30
R-16MM	17.7	16.0	2.35 x 32
R-18MM	19.7	18.0	2.6 x 38
R-20MM	22.2	20.0	2.7 x 40
R-22MM	25.0	22.0	2.9 x 43
R-25MM	27.7	25.0	3.2 x 50
R-30MM	33.1	30.0	3.5 x 55
R-32MM	35.6	32.0	3.5 x 55
R-35MM	36.6	35.0	3.5 x 60
R-40MM	45.2	40.0	3.5 x 65







Flat nail clips

Item.No.	H (mm)	A (mm)	B (mm)	Nail
F-4MM	6.0	3.8	4	1.7 x 14
F-5MM	6.0	3.8	5	1.7 x 14
F-6MM	6.5	4.1	6	1.7 x 16
F-7MM	7.0	4.7	7	1.9 x 16
F-8MM	7.5	5.0	8	2.1 x 19
F-9MM	8.2	5.4	9	2.1 x 20
F-10MM	8.6	5.7	10	2.3 x 21
F-12MM	9.0	6.1	12	2.3 x 23
F-14MM	11.0	8.0	14	2.3 x 25



Coaxial cable nail clips

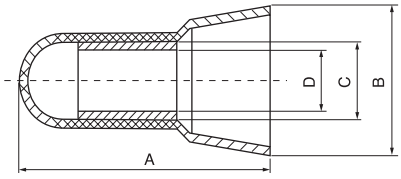
Item.No.	Width (mm)	Nail
C-0305	3-5	1.2 x 20.0
C-0406	4-6	1.4 x 20.5
C-0508	5-8	2.0 x 25.5
C-0607	6-7	2.0 x 20.0
C-0610	6-10	2.0 x 25.5
C-0812	8-12	2.0 x 30.0
C-1014	10-14	2.0 x 30.5

P6 End Wire Connector



- Material: Nylon 66, 94V-2
- Usage: Peel the coat of wire, then insert to tube, use pincers to fix them.
- Feature: Nylon shell, long copper tube, easy to conduct electricity and hold wire tightly.

Item.No.	A (mm)	W		D (mm)	Suitable Wires	
		B (mm)	C (mm)		mm^2	AWG
P6-Ø3	17.8	7.2	3.6	2.5	1.25	22-16
P6-Ø4	21.0	8.2	4.0	2.9	2	16-14
P6-Ø5	22.5	9.0	4.8	3.9	5.5	12-10
P6-Ø6	25.0	10.0	5.6	4.5	8	8
P6-Ø8	25.6	11.8	7.5	6.0	13	6
P6-Ø10	29.5	13.5	9.3	7.5	16	4

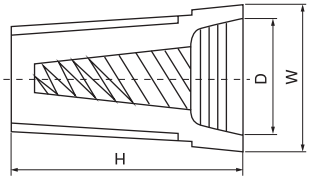


P7 Self-screw Shell End Wire Connector



- Material: Nylon 66, with spring inside.
- Usage: peel wire coat, insert the wire in, then tighten.

Item.No.	H (mm)	W (mm)	D (mm)	Suitable Wire (mm)
P7-1	15	8.7	6.5	MIN#20 x 1+#22 x 1, MAX#16 x 2
P7-2	18	10.0	7.5	MIN#20 x 3, MAX#16 x 3
P7-3	23	11.2	9.5	MIN#20 x 3, MAX#16 x 3+#18 x 1
P7-4	24.2	13.6	10.8	MIN#14 x 1+#18 x 1, MAX#14 x 4+#18 x 1
P7-5	27.8	16.1	12.7	MIN#14 x 2, MAX#10 x 2+#12 x 2

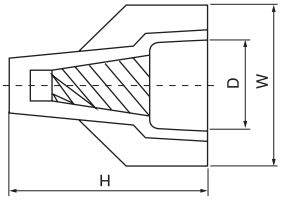


P8 Double Wings End Wire Connector

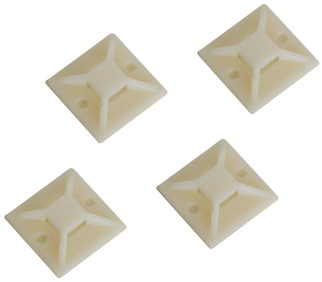


- Material: Nylon 66, with spring inside.
- Usage: peel wire coat, insert the wire in, then tighten.

Item.No.	H (mm)	W (mm)	D (mm)	Wrapping Range (mm)	Color
P8-1	22.0	19.0	9.8	MIN#18 x 2, MAX#12 x 3	Yellow
P8-2	29.0	22.0	12.5	MIN#14 x 2, MAX#10 x 4	Red



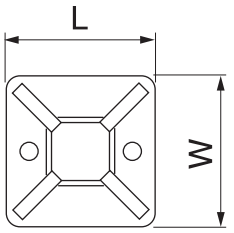
Self-Adhesive Cable Tie Base

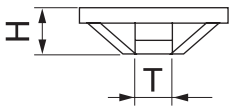


- Material: Nylon 66, 94V-2, the back attached foam type double coated tape
- Application: for bundling wires and other things.Used for the places where you don't drill hole

1. Specification

Item.No.	L x W	H (mm)	T (mm)	Screw Hole (mm)
TM-20	20 x 20	6.1	5.0	2.9
TM-25	25 x 25	7.5	6.2	3.5
TM-30	30 x 30	8.7	6.4	4.5
TM-40	40 x 40	6.4	10.8	/





TM

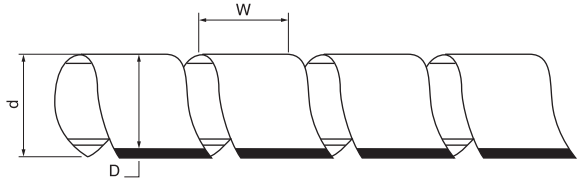
Spiral Wrapping Band

- Material: Made of PE
- Usage: Fix one end with safety belt first, then circle the wires clockwise to make them tighten.
- Appliaction: a protection wear for electric wires, and make them insulation and look nice.

1. Specification

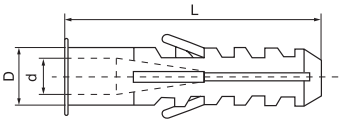
Item.No.	D (mm)	d (mm)	W (mm)	Wrapping Range (mm)	Packing
SWB-03	1.5	3.0	4.0	1.5-10	10M/Roll
SWB-06	4	6	7.0	4-50	
SWB-08	6	8	10.8	6-60	
SWB-10	7.5	10	11.4	7.5-60	
SWB-12	9	12	13.9	9-65	
SWB-15	12	15	15.0	12-75	
SWB-19	15	19	18.2	15-100	
SWB-24	20	24	19.6	20-130	
SWB-30	26	30	43	26-150	





Expand Nail

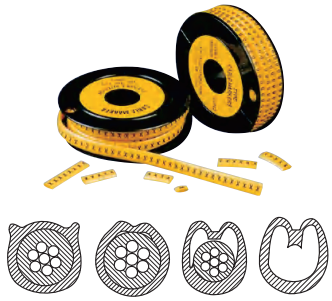




• Material: made of PE.
• Color: White, Grey.

Item.No.	L (mm)	D (mm)	d (mm)
EN-06	29.8	6.0	4.9
EN-08	38.6	7.9	5.3
EN-10	42.7	9.9	5.8
EN-12	47.9	11.6	6.3

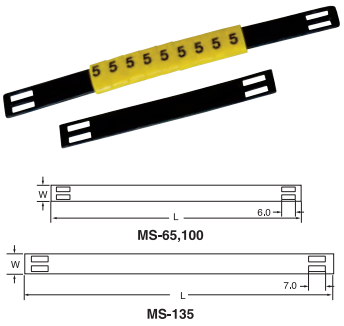
Cable Marker



• Material: made of PVC, oil and erosion control, heat resisting up to 85°C,
• Struction: the inside is hollow, but elastic. The diameter can change with the needed wire.

Item.No.	Approx Wire		Packing	Length (m)	markers
	SQ (mm^2)	mm			
EC-0	0.75	0.75	1000PCS/Roll	4.5	0~9 A~Z + - / \ black
	0.75-3.0	1.0	1000PCS/Roll	4.5	
	1.5-3.0	1.5	1000PCS/Roll	4.5	
EC-1	2.6-4.2	2.5	1000PCS/Roll	4.5	
EC-2	3.6-7.4	4	500PCS/Roll	2.75	
EC-3	5-10	6	350PCS/Roll	1.95	
	8-11.9	8	250PCS/Roll	1.37	
	10	10	180PCS/Roll	0.99	
	16	16	80PCS/Roll	0.80	
EC-J	3.6-7.2	4	500PCS/Roll	2.5	

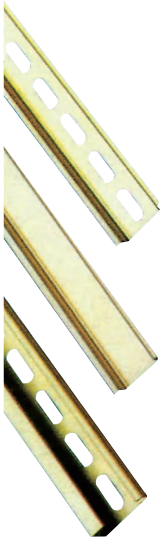
Cable Marker Strip



• Material: Nylon66 94V-2
• Usage: Nylon Plate with cable tie fastening hole to accommodate marker pieces for easy identification of cable runs.

Item.No.	Length (mm)	Width (mm)	Cable tie hole (mm)	Available loaded quantity of FM-1 Cable Marker	Packing
MS-65	65	9	6.7	9pcs	100
MS-90	90	9	6.7	14pcs	100
MS-100	100	9	7.0	16pcs	100
MS-130	130	9	7.0	23pcs	100
MS-135	135	9	13.0	21pcs	100
MS-180	180	9	13.0	30pcs	100

Din Rails



1. Application

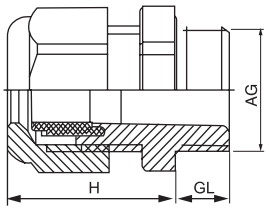
Suitable for mounting various modular units.

2. Technical Data

• Material: steel, zinc electroplated with yellow achromate passivation. aluminium alloy optional.
• Color: yellow or silver gray.
• Length: 2m, 1m and other lengths upon request.
• Standards: DIN 46277, CENELEC EN 50.0222, EN50.023, EN50.035.
Cat.No.: DR101
Dimensions (mm): 35 × 7.5 × 1(W × H × T)
Length Meters(m): 1, 2
Cat.No.: DR102
Dimensions (mm): 35 × 7.5 × 1(W × H × T)
Length Meters(m): 1, 2
Cat.No.: DR201
Dimensions (mm): 35 × 15 × 1.5(W × H × T)
Length Meters(m): 1, 2

PG Cable Gland



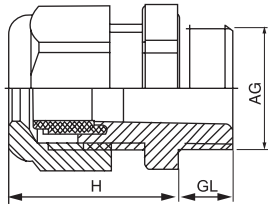


1. Specification

Model	⌀ (mm)	GL (mm)	H (mm)	(mm)
PG7	3-6.5	8	22	16
PG9	4-8	8	26	19
PG11	5-10	8	27	22
PG13.5	6-12	9	28	24
PG16	10-14	10	30	27
PG21	13-18	10	35	33
PG29	18-25	12	40	41/42
PG36	20-32	14	48	52/53
PG42	32-38	14	49	60/61
PG48	37-44	14	50	64/65
PG63	42-50	27	60	81

PGL Cable Gland



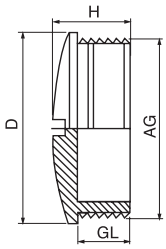


1. Specification

Model	⌀ (mm)	GL (mm)	H (mm)	(mm)
PGL-7	3-6.5	15	22	16
PGL-9	4-8	15	26	19
PGL-11	5-10	15	27	22
PGL-13.5	6-12	15	28	24
PGL-16	10-14	15	30	27
PGL-21	13-18	15	35	33
PGL-29	25-28	18	40	41
PGL-36	22-32	18	48	52/53
PGL-42	32-38	18	49	60/61
PGL-48	37-44	18	50	64

JG Insulating Closeover



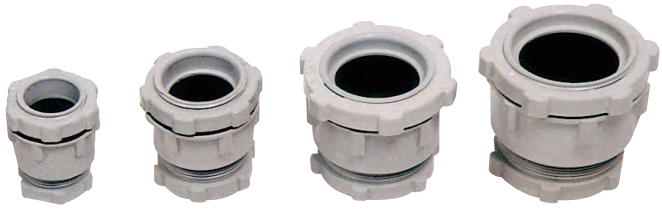


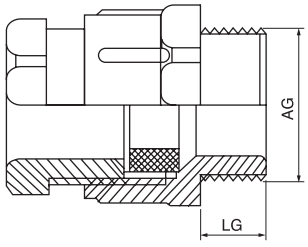
1. Specification

Model	GL (mm)	H (mm)	D (mm)
JG7	6	8	15
JG9	6	9	19
JG11	6	9	22
JG13.5	6	9.5	25
JG16	6	9.5	27
JG21	8	11	33
JG29	8	12	44
JG36	10	15	55
JG42	10	16	62
JG48	12	16	69

Color: light grey or black

PG-N Cable Gland





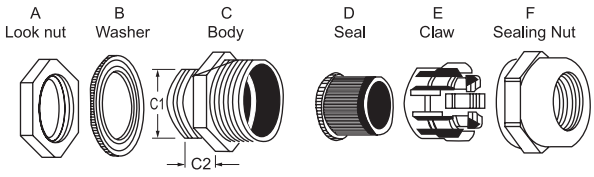
1. Specification

Model	⌀ (mm)	GL (mm)
PG-7N	5-7	8
PG-9N	6-8	8
PG-11N	8-10	8
PG-13.5N	10-12	9
PG-16N	12-14	10
PG-21N	15-17	11
PG-29N	24-26	11
PG-36N	31-33	13
PG-42N	39-41	13
PG-48N	45-47	14

Color: light grey or black

MG Cable Gland



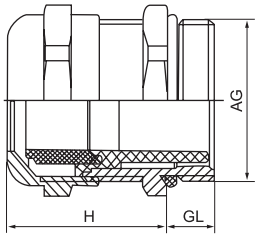


1. Specification

Model	(mm)	C1 (mm)	C2 (mm)	(mm)
MG12	3-5.3	12	9	17/19
MG16	4-7	16	15	22
MG20	6-11	20	15	26/27
MG25	10-16	25	15	32/33
MG32	15-22	32	15	41
MG40	20-25	40	20	50
MG50	26-32	50	23	60/62
MG63	38-46	63	24	73/75

PG-T Metal Cable Gland

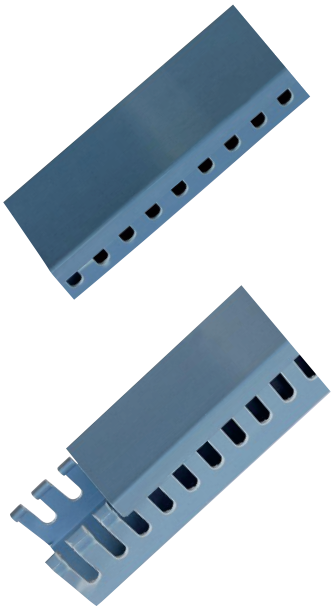




1. Specification

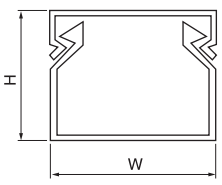
Model	(mm)	GL (mm)	GL(Long) (mm)	H (mm)	(mm)
PG-T7	3-6.5	5	10	19	14
PG-T9	4-8	6	10	20	17
PG-T11	5-10	6	10	21	20
PG-T13.5	6-12	6.5	10	22	22
PG-T16	10-14	6.5	10	23	24
PG-T21	13-18	7	12	25	30
PG-T29	18-25	8	12	29	40
PG-T36	22-32	8	15	35	50
PG-T42	32-38	9	15	37	57
PG-T48	37-44	10	15	38	64

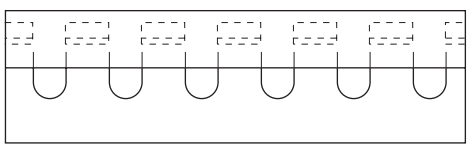
Wiring Duct(Slotted)



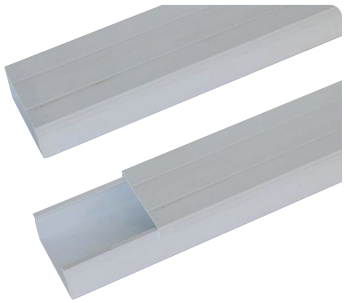
- Material: made of PVC(grey), good insulation and heat-resisting up to 85℃.
- Struction: made up to duct bottom and lid, with two out-holes designed at the bottom.

Item.No.	H x W	Contained Wire (1.5mm²)	Length
PXC-2015	20 x 15	5-10PCS	
PXC-2020	20 x 20	10-15PCS	
PXC-2025	20 x 25	10-20PCS	
PXC-2525	25 x 25	10-25PCS	
PXC-2545	25 x 45	25-40PCS	
PXC-3015	30 x 15	5-15PCS	
PXC-3020	30 x 20	10-20PCS	
PXC-3025	30 x 25	15-25PCS	
PXC-3030	30 x 30	20-30PCS	
PXC-3035	30 x 35	30-45PCS	
PXC-3040	30 x 40	35-50PCS	
PXC-3050	30 x 50	45-60PCS	
PXC-3525	35 x 25	25-35PCS	
PXC-3535	35 x 35	40-55PCS	
PXC-4025	40 x 25	20-40PCS	
PXC-4030	40 x 30	35-50PCS	
PXC-4035	40 x 35	40-50PCS	
PXC-4040	40 x 40	45-55PCS	
PXC-4060	40 x 60	60-80PCS	
PXC-4525	45 x 25	25-40PCS	
PXC-4535	45 x 35	40-55PCS	
PXC-4545	45 x 35	60-70PCS	
PXC-5015	50 x 15	25-35PCS	2M
PXC-5025	50 x 25	25-45PCS	
PXC-5030	50 x 30	30-55PCS	
PXC-5035	50 x 35	50-60PCS	
PXC-5040	50 x 40	60-70PCS	
PXC-5045	50 x 45	70-85PCS	
PXC-5050	50 x 50	90-100PCS	
PXC-5055	50 x 55	100-110PCS	
PXC-5060	50 x 60	95-105PCS	
PXC-5080	50 x 80	180-200PCS	
PXC-50100	50 x 80	220-250PCS	
PXC-6040	60 x 40	90-100PCS	
PXC-6060	60 x 60	140-160PCS	
PXC-6525	65 x 25	100-110PCS	
PXC-6545	65 x 45	180-200PCS	
PXC-6565	65 x 65	140-160PCS	
PXC-8035	80 x 35	160-180PCS	
PXC-8045	80 x 45	180-200PCS	
PXC-8050	80 x 50	200-220PCS	
PXC-8055	80 x 55	240-290PCS	
PXC-8080	80 x 80	280-350PCS	
PXC-80100	80 x 100	300-400PCS	
PXC-100100	100 x 100	300-400PCS	





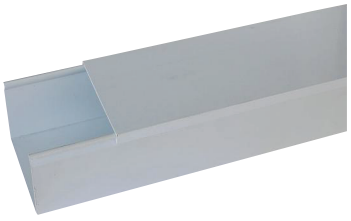
PZC Wiring Duct



- Material: made of PVC(White), good insulation and heatresisting up to 85°C.
- Struction: made up of duct bottom and lid.
- Application: used in stage, electric, air conditioning or indoors.
- Feature: solid design, especially for anti-dust and mouse.

Item.No.	H x W (mm)	Contained Wire (1.5mm²)	length
PZC-1015	10 x 15	3-5PCS	2M
PZC-1020	10 x 20	3-6PCS	
PZC-1025	10 x 25	5-10PCS	
PZC-1525	15 x 25	5-10PCS	
PZC-2030	20 x 30	10-20PCS	
PZC-2035	20 x 35	15-25PCS	
PZC-2540	25 x 40	20-40PCS	
PZC-3050	30 x 50	30-50PCS	
PZC-3060	30 x 60	55-65PCS	
PZC-5080	50 x 80	180-200PCS	
PZC-50100	50 x 100	220-250PCS	
PZC-80100	80 x 100	260-350PCS	
PZC-100100	100 x 100	300-400PCS	

Telephone Wiring Duct



- Material: made from PVC(White), good insulation and heatresisting up to 85°C.
- Feature: spacious designed, and the strong adhesive tape in the duct button.

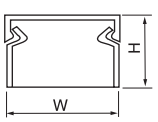
Item.No.	W1(mm)	W2(mm)	H(mm)	L (mm)
JTD-1	10.40	7.30	8.0	1M
JTD-2	14.50	11.80	8.0	
JTD-3	17.50	15.60	11.0	
JTD-4	23.50	19.50	12.0	

Round Type Wiring Duct

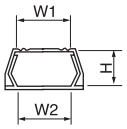


- Material: High impact, rigid, self-extinguishing P.V.C
- Service temperature: 85°C
- Backed with high quality double sided tape for permanent stick.

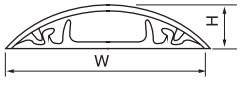
Item.No.	W1(mm)	W2(mm)	Length	color
RTD-1	24	8	1M	White Grey Green
RTD-2	31.7	8.5		
RTD-3	39.2	11		
RTD-4	52	11.3		
RTD-5	63	12.5		
RTD-6	70	13.2		



PZC Wiring duct



Telephone wiring duct



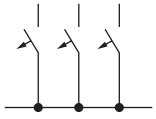
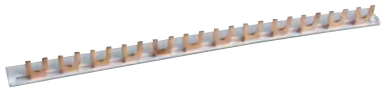
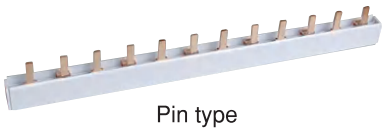
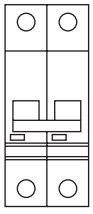
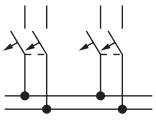
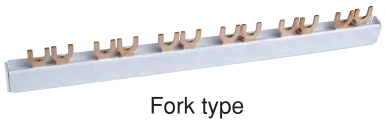
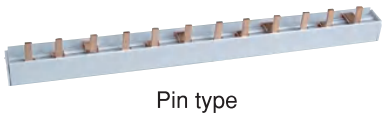
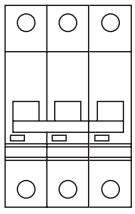
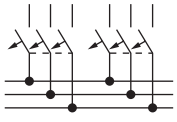
Round type wiring duct

Comb Busbar

1. Application

- The busbars ease wiring of electrical item, enlarge connection area, decrease temperature rise and thus increase the electrical reliability of electrical items.
- Material is fire-resistant PVC and red copper
- Current rating is up to 100A
- Rated voltage is up to 415V
- Applicable ambient temperature -25°C~+50°C
- Standard length 1m, other length to be made as requested.

2. Specification

Busbar connection		Rated Current (A)	Number of Poles	Cross Section (mm)	Length (mm)
 Pin type	For single pole MCBs  	63	54 x 1	20	100
		100	54 x 1	20	100
 Fork type		63-100	54 x 1	20	100
 Pin type	For 2 pole MCBs & single pole MCBs with disconecting neutral NA  	63	27 x 2	20	100
		100	27 x 2	20	100
 Fork type		63-100	27 x 2	20	100
 Pin type	For 3 pole MCBs  	63	18 x 3	20	100
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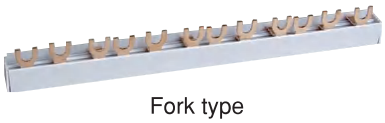
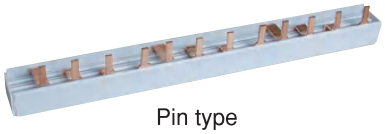
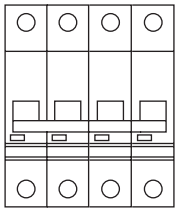
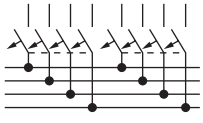
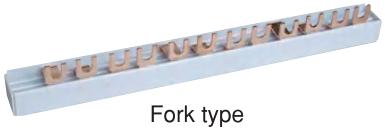
 Fork type		63-100	18 x 3	20	100
 Pin type	For 4 pole MCBs & 3 pole MCBs with disconnecting neutral NA  	63	14 x 4	20	100
		100	14 x 4	20	100
 Fork type		63-100	14 x 4	20	100

Heat Shrinkable Kits



Heat Shrinkable Anti-tracking Tube

Anti-tracking tube is applied for the power cable terminations accessories with insulation, resistance to weather and UN-ray,even in severest outdoor conditions.
Size:Ø30/12,Ø35/15,Ø40/18,Ø50/20,Ø50/75,Ø60/25,Ø70/25.



Heat Shrinkable Stress Control Tube

Stress control tube control the electrical stress at the end of the copper screen.
Size:Ø30/12,Ø35/15,Ø40/18,Ø50/20,Ø50/25,Ø60/25.



Heat Shrinkable Oil-resisi Ant Tube

Heat shrinkable oil-resistant is applied to PILC cable for preventing the cable oil from dripping out and increasing the insulation.
Size:Ø25/10,Ø30/14,Ø60/20.



Heat Shrinkable Semi-conductive Tube

Semi-conductive tube is mainly applied for the XLPE or PILC power cables in order to improve the cable surface screen.
Size:Ø30/12,Ø35/12,Ø40/14,Ø45/14,Ø50/18,Ø55/18,Ø60/20,Ø65/20,Ø70/20.



Heat Shrinkable Anti-breakout

Heat shrinkable anti-breakout is applied to branch of power cable.Its action is airproof.

Heat Shrinkable Accessories

11kV Heat Shrinkable Kits



Type		Out Door		In Door		Joint Kits	
No.	Diameter mm²	Single Pole	Three Pole	Single Pole	Three Pole	Single Pole	Three Pole
1	25-50	WSY-10/1.1	WSY-10/3.1	NSY-10/1.1	NSY-10/3.1	JSY-10/1.1	JSY-10/3.1
2	70-120	WSY-10/1.2	WSY-10/3.2	NSY-10/1.2	NSY-10/3.2	JSY-10/1.2	JSY-10/3.2
3	150-240	WSY-10/1.3	WSY-10/3.3	NSY-10/1.3	NSY-10/3.3	JSY-10/1.3	JSY-10/3.3
4	300-630	WSY-10/1.4	WSY-10/3.4	NSY-10/1.4	NSY-10/3.4	JSY-10/1.4	JSY-10/3.4

11kV Oiled XLPE Heat-Shrinkable Kits



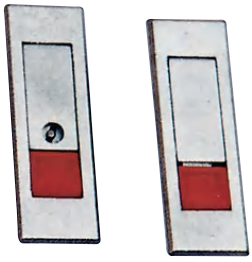
Type		Out Door Type		In Door Type		Joint Kits	
No.	Diameter mm²	Single Pole	Three Pole	Single Pole	Three Pole	Single Pole	Three Pole
1	25-50	WSZ-10/1.1	WSZ-10/3.1	NSZ-10/1.1	NSZ-10/3.1	JSY-10/1.1	JSY-10/3.1
2	70-120	WSZ-10/1.2	WSZ-10/3.2	NSZ-10/1.2	NSZ-10/3.2	JSY-10/1.2	JSY-10/3.2
3	150-240	WSZ-10/1.3	WSZ-10/3.3	NSZ-10/1.3	NSZ-10/3.3	JSY-10/1.3	JSY-10/3.3

35kV XLPE Heat-Shrinkable Kits



Type		Out Door		Out Door	
No.	Diameter mm²	Single Pole	Three Pole	Single Pole	Three Pole
1	50-120	WSY-35/1.1	WSY-35/3.1	NSY-35/1.1	NSY-35/3.1
2	150-300	WSY-35/1.2	WSY-35/3.2	NSY-35/1.2	NSY-35/3.2
3	400-630	WSY-35/1.3	WSY-35/3.3	NSY-35/1.3	NSY-35/3.3

Lock



240-3/A 240-3/B



480-3-2



601



603



501-2



301-1



480-1



480-2



508



402 (18 × 16)



403 (18 × 20)



405 (18 × 30)



401



407



GCS



240 250



88-1



88-2



MS-3



KY-2

Lock



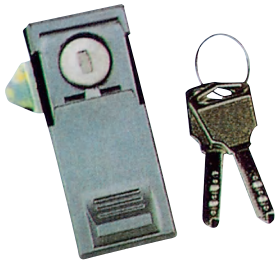
GGD-1



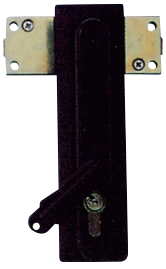
GGD-2



99-B2



99-B1



100-5



100-1



100-3





970



308-2



305A



308-3



305B



306



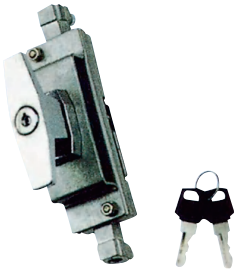
307



30211



3021



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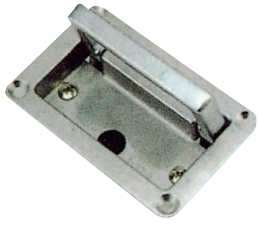

HJ-010



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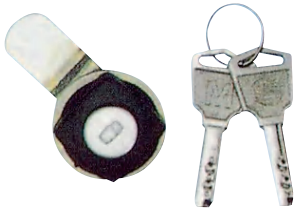
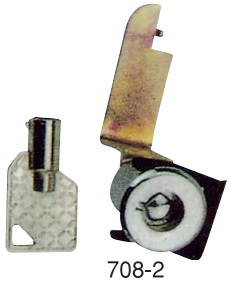


107-B



708



708-2

AC-Axial Fan



AD0822A



AD0922A



AD1222A

Type	Air flow (m^3/h)	Nominal voltage (V)	Frequency (Hz)	Power input (Watt)	Sintec~ball bearings ■ / Sleeve bearings ■	Dimension (mm)
AD0822ASN	29	230	50	10	■	80 x 80 x 25
AD0822ABN	29	230	50	10	■	
AD0822ASH	35	230	50	11.5	■	
AD0822ABH	35	230	50	11.5	■	
AD0821ASN	30	115	60	11	■	
AD0821ABN	30	115	60	11	■	
AD0821ASH	36	115	60	12	■	
AD0821ABH	36	115	60	12	■	
AD0922ASN	35	230	50	9	■	92 x 92 x 25
AD0922ABN	35	230	50	9	■	
AD0922ASH	49	230	50	12	■	
AD0922ABH	49	230	50	12	■	
AD0921ASN	43	115	60	11	■	
AD0921ABN	43	115	60	11	■	
AD0921ASH	60	115	60	12	■	
AD0921ABH	60	115	60	12	■	
AD1122ASN	61	230	50	13	■	108 x 108 x 25
AD1122ABN	61	230	50	13	■	
AD1122ASH	75	230	50	15	■	
AD1122ABH	75	230	50	15	■	
AD1121ASN	64	115	60	14	■	
AD1121ABN	64	115	60	14	■	
AD1121ASH	82	115	60	15.5	■	
AD1121ABH	82	115	60	15.5	■	
AD1223ASH	120	380	50	15.5	■	120 x 120 x 25
AD1223ABH	120	380	50	15.5		
AD1222ASN	108	230	50	14	■	
AD1222ABN	108	230	50	14	■	
AD1222ASH	125	230	50	16	■	
AD1222ABH	125	230	50	16	■	
AD1221ASN	115	115	60	15	■	
AD1221ABN	115	115	60	15	■	
AD1221ASH	130	115	60	16.5	■	
AD1221ABH	130	115	60	16.5	■	
AD1233ASN	135	380	43	21	■	120x 120 x 38
AD1233ABN	135	380	43	21	■	
AD1233ASH	160	380	48	22	■	
AD1233ABH	160	380	48	22	■	
AD1232ASN	140	230	44	21	■	
AD1232ABN	140	230	44	21	■	
AD1232ASH	155	230	49	22	■	
AD1232ABH	155	230	49	22	■	

AC-Axial Fan



AD1232A



AD125FZy



AD1550A

Type	Air flow (m^3/h)	Nominal voltage (V)	Frequency (Hz)	Power input (Watt)	Sintec~ball bearings ■ / Sleeve bearings ■	Dimension (mm)
AD1231ASN	140	115	44	22	■	120 x 120 x 38
AD1231ABN	140	115	44	22	■	
AD1231ASH	165	115	49	23	■	
AD1231ABH	165	115	49	23	■	
AD125FZY3-S	230	380	50	26	■	135 x 135 x 32
AD125FZY3-B	230	380	50	26		
AD125FZY2-S	180	230	50	24.5	■	
AD125FZY2-B	180	230	50	24.5	■	
AD125FZY2-S	210	230	50	25	■	
AD125FZY2-B	210	230	50	25	■	
AD125FZY1-S	190	115	60	24.5	■	
AD125FZY1-B	190	115	60	24.5	■	
AD125FZY1-S	240	115	60	26	■	
AD125FZY1-B	240	115	60	26	■	
AD1231MABH	94/2.70	115	50	19	■	120 x 120 x 38
AD1231MABH	112/3.20	115	60	18	■	
AD1232MABH	94/2.70	230	50	20	■	
AD1232MABH	112/3.20	230	60	17	■	
AD1233MABH	94/2.70	380	50	32	■	
AD1553ABN	280	380	50	26	■	172 x 150 x 51
AD1553ABH	340	380	50	29	■	
AD1552ASN	280	230	50	24	■	
AD1552ABN	280	230	50	24	■	
AD1552ABH	340	230	50	26.5	■	
AD1551ABN	320	115	60	26	■	
AD1551ABH	370	115	60	28	■	
AD15503ABN	280	380	50	26	■	150 x 150 x 50
AD15503ABH	340	380	50	29	■	
AD15502ASN	280	230	50	24	■	
AD15502ABN	280	230	50	24	■	
AD15502ABH	340	230	50	26.5	■	
AD15501ABN	320	115	60	26	■	
AD15501ABH	370	115	60	28	■	
AD1753ABN	280	380	50	26	■	172 x 172 x 51
AD1753ABH	340	380	50	28	■	
AD1752ASN	280	230	50	24.5	■	
AD1752ABN	280	230	50	24.5	■	
AD1752ABH	340	230	50	28	■	
AD1751ABN	320	115	60	26	■	
AD1751ABH	370	115	60	28	■	
AD145FZy3-S	300	380	50	29	■ ■	172 x 145 x 38
AD145FZy3-S	350	380	50	29	■	

AC-Axial Fan



AD1552AB



AD1752AB



AD20060AB

Type	Air flow (m^3/h)	Nominal voltage (V)	Frequency (Hz)	Power input (Watt)	Sintec~ball bearings ■ / Sleeve bearings ■	Dimension (mm)
AD145FZY2-S	300	230	50	26	■	172 x 145 x 38
AD145FZY2-S	300	230	50	27	■	
AD145FZY2-S	350	230	50	29	■	
AD145FZY1-S	330	115	60	27	■	
AD145FZY1-S	390	115	60	29	■	
AD150FZY1-D	216	115	50	25	■	150 x 160 x 60
AD150FZY2-D	216	220	50	30	■	
AD150FZY7-D/(1)	216	380	50	35	■	
AD150FZY4-D/(3)	216	380	50	40	■	
AD200FZY2-D	459	220	50	65	■	200 x 210 x 71
AD200FZY7-D/(1)	459	380	50	65	■	
AD200FZY4-D/(3)	459	380	50	65	■	
AD1863ABM	420	380	50	48	■	180 x 180 x 60
AD1863ABH	420	380	50	49	■	
AD1862ABN	470	230	50	45	■	
AD1862ABM	420	230	50	48	■	
AD1863ABH	450	230	50	49	■	
AD20060MBL-1	245	115	50	65	■	200 x 200 x 60
AD20060MBL-2	285	230	50	70	■	
AD20060MBL-3	285	380	50	70	■	
AD2363ABN	700	380	50	68	■	230 x 200 x 65
AD2363ABM	630	380	50	65	■	
AD2363ABH	850	380	50	65	■	
AD2362ABN	700	230	50	68	■	
AD2362ABM	630	230	50	58	■	
AD2362ABH	850	230	50	65	■	
AD2283ABN	455	380	50	30	■	225 x 225 x 80
AD2283ABH	1030	380	50	80	■	
AD2282ABN	520	230	50	30	■	
AD2282ABM	820	230	50	64	■	
AD2282ABH	1030	230	50	80	■	
AD2281ABN	520	115	60	28	■	
AD2281ABM	1030	115	60	80	■	
ADF4A2-300	1800	230	50	73		Ø 300
ADF4B2-300	2100	230	60	100		
ADF4A3-300	1800	230	50	65		
ADF4B3-300	2100	230	60	80		
ADF4A2-350	3100	230	50	130		Ø 350
ADF4B2-350	3500	230	60	190		
ADF4A3-350	3100	380	50	115		
ADF4B3-350	3600	380	60	160		

AC-Axial Fan



AD2362AB

Type	Air flow (m^3/h)	Nominal voltage (V)	Frequency (Hz)	Power input (Watt)	Sintec~ball bearings ■ / Sleeve bearings ■	Dimension (mm)
AD300A2LBL (300FZY2-D)	1320	220	50	80	■	300 x 300 x 100
AD300A3LBL (300FZY3-D)	1320	380	50	80	■	
AD300A3LBL (300FZY4-D)	1320	380	50	80		
AD300A2HBL (300FZY6-D)	2040	220	50	200	■	
AD300A3HBL (300FZY7-D)	2040	380	50	180	■	
AD300A3HBL (300FZY8-D)	2040	380	50	200	■	
AD250A2LBL (250FZY2-D)	720	220	50	40	■	250 x 250 x 90
AD250A3LBL (250FZY3-D)	720	380	50	40	■	
AD250A3LBL (250FZY4-D)	720	380	50	40	■	
AD250A3HBL (250FZY6-D)	1200	220	50	100	■	
AD250A3HBL (250FZY7-D)	1200	380	50	100	■	
AD250A3HBL (250FZY8-D)	1200	380	60	100	■	
AD2260A1HSL-1	335	110	50/60	77/55	■	200 x 200 x 60
AD2260A1HBL-1	335	110	50/60	77/55	■	
AD2260A2HSL-1	335	220	50/60	72/50	■	
AD2260A2HBL-1	335	220	50/60	72/50	■	

Filter



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