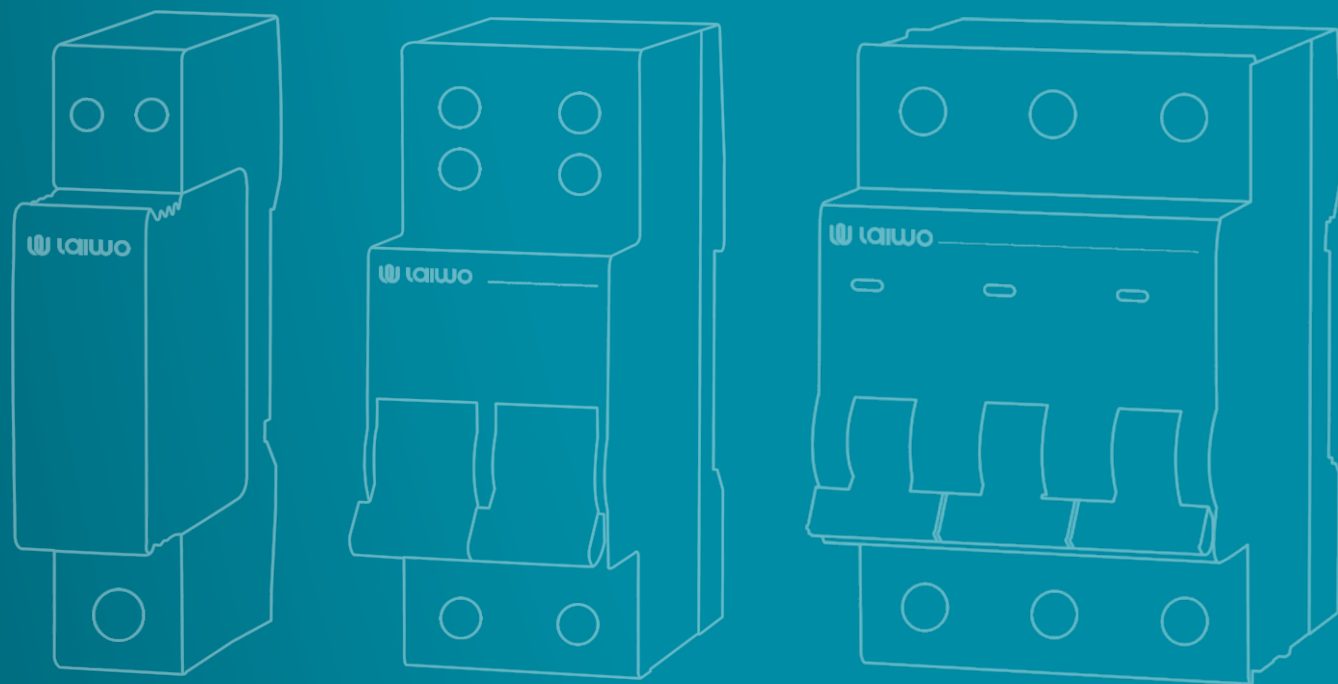




laiwo

WENZHOU LAIWO ELECTRICALTECHNOLOGY CO.,LTD

Whatsapp: +86-15067706272

E-mail: sales2@wosom.cn

Tel: +86-15067706272

Address: Unit 10, No.115, Xinguang Avenue, Liushi, Wenzhou, P.R.China

laiwo



PRODUCT SELECTION MANUAL



COMPANY PROFILE



NUMBER OF
EXPORTING COUNTRIES

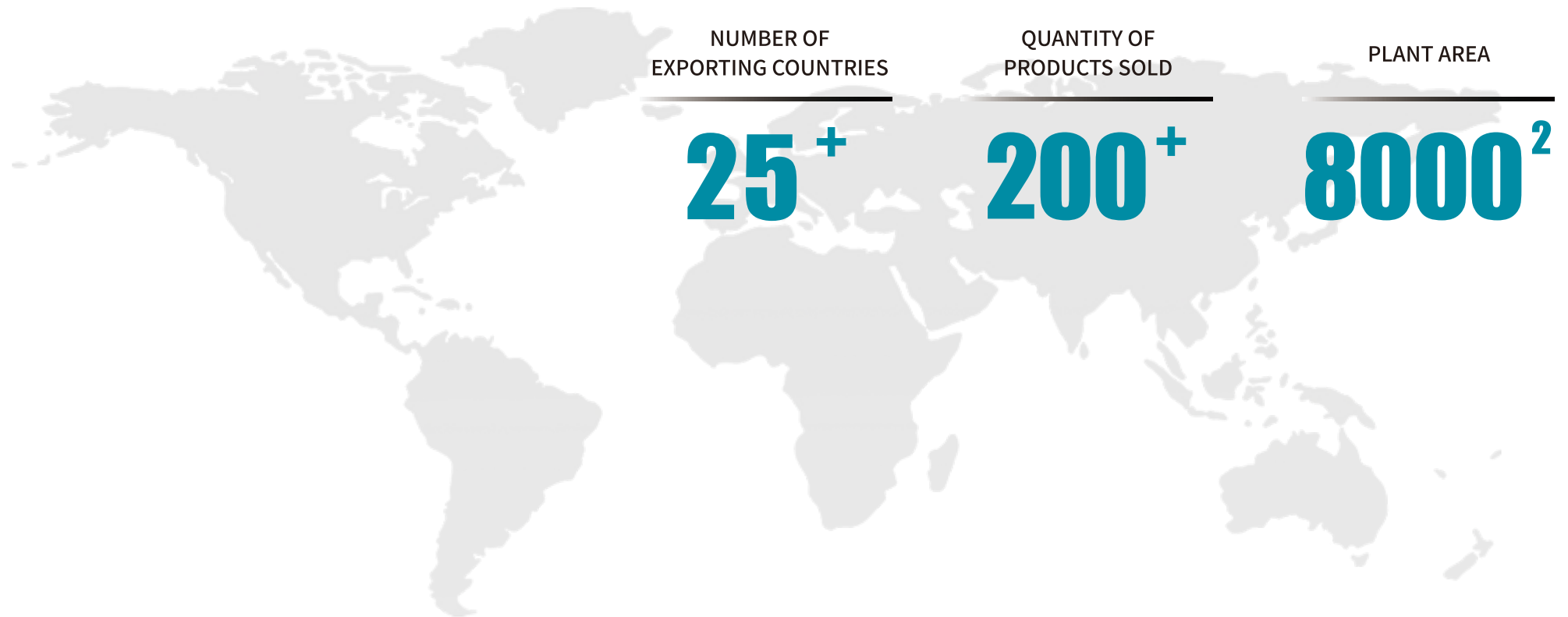
25⁺

QUANTITY OF
PRODUCTS SOLD

200⁺

PLANT AREA

8000²



One-stop
marketing
service

LAIWO ELECTRICAL TECHNOLOGY CO., LTD was established in 2002, headquartered in the global reputation of Liushi electric capital. As a company specializing in the development, production and sales of electrical products, we are committed to providing customers with high quality and reliable electrical solutions. The company's main products cover circuit breakers, isolating switches, surge protectors, fuses and other fields, these products play a vital role in a variety of electrical systems, can effectively protect equipment from power fluctuations and overload, to ensure the safe and stable operation of electrical systems. All products have passed the ISO9001 quality system certification, as well as CCC, CE, UKCA, TUV, C B, SEMKO and other certifications, to provide customers with high quality assurance. It owns the Levo Watson brand.

The company has always been adhering to the "customer first, quality first" business philosophy, committed to providing customers with high quality, reliable electrical solutions. We will also continue to optimize the service system, establish a perfect pre-sale, sale and after-sales service mechanism, fully meet customer needs, to provide you with a more convenient and efficient service experience. We are willing to listen to customers' opinions and suggestions, constantly improve and innovate, and grow together with you.

HONOR AND QUALIFICATION



Patent support, quality worry free

The company has a number of patent certificates, more surge products test report, as well as isolation switch, leakage circuit breaker, fuse, distribution box and other qualification certificates for quality escort. With innovative technology, Levo is the place for you to experience excellence.



30⁺

NUMBER OF CERTIFICATES



- CCC certification
- Quality management system certification
- Back protector test report
- Surge form test report
- CE certification
- SEMKO certification
- UKCA certification
- TUV certification



ENTERPRISE HISTORY



SET UP

June 2002

Wenzhou laiwo electrical technology co., ltd was established in dongfeng industrial zone of liushi city

DEVELOP

February 2009

Has a production base, established a modern factory located in Taizhou Sanmen

LEAP

November 2010

Expand overseas markets, set up a subsidiary in the UK, and enhance international competitiveness

OPTIMIZE

February 2020

The company launched the "laiwo" brand, focusing on brand building and marketing

CREATE

December 2021

Through the unremitting efforts of all employees, the company achieved a high performance in 2021

INNOVATE

Continuous innovation and progress, to provide customers with better products and services.

09 WIRING ACCESSORIES

SM Insulator Series	03
C Insulator Series	07
CT Neutral Bar Bracket	09
EL Copper Busbar Clamp Bracket	11
PG/M Cable Gland	13
Copper Busbar Series	15

10 INDICATOR DIGITAL METER AND PUSH BUTTON

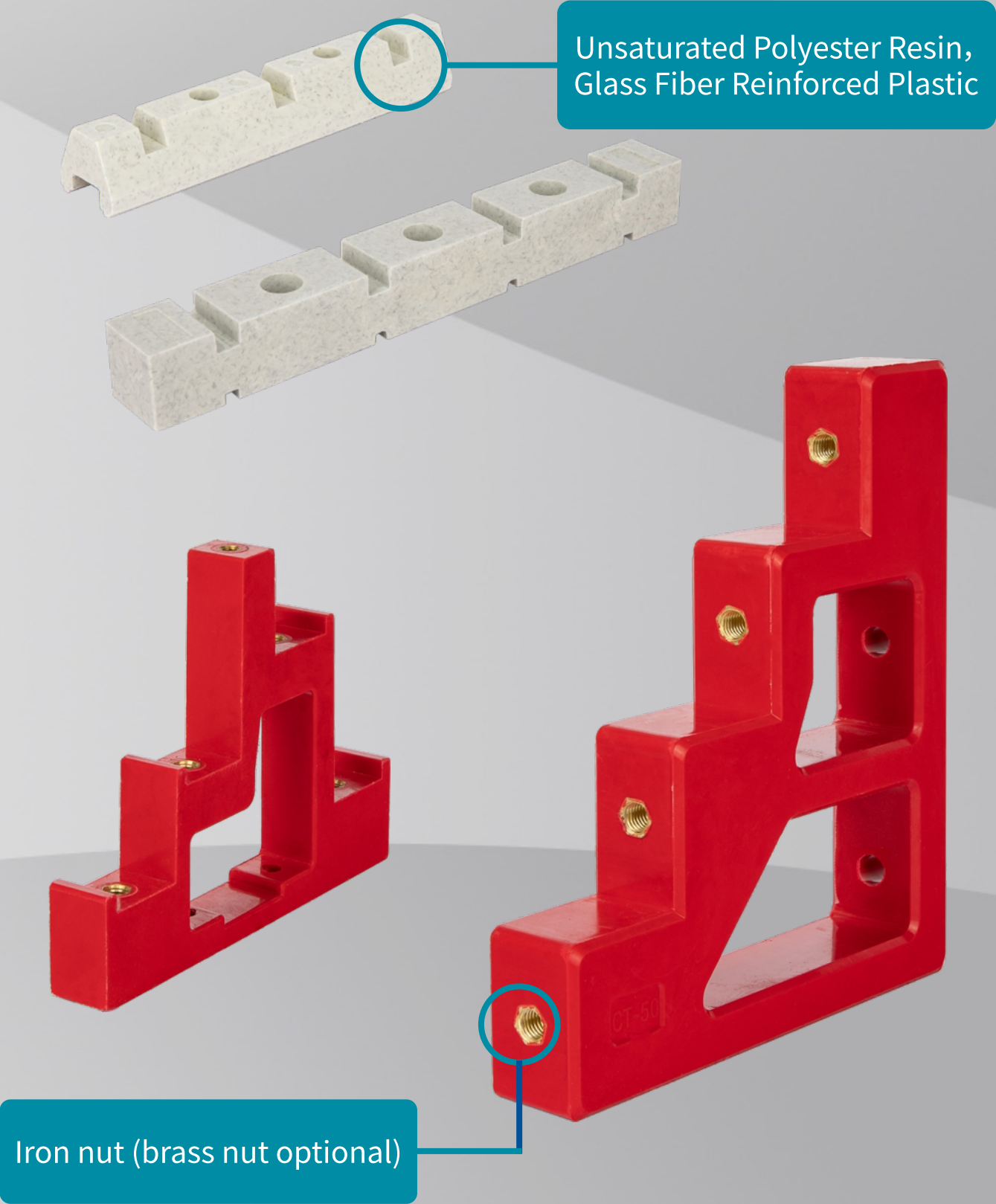
AD Series Indicator Digital Meter	19
AD16 Series Indicator	20
XB2 Series Push Button	21
Push Button Switch	25

PRODUCT CATALOG



na

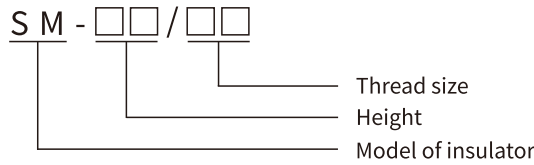
WIRING ACCESSORIES



SM Insulator Series



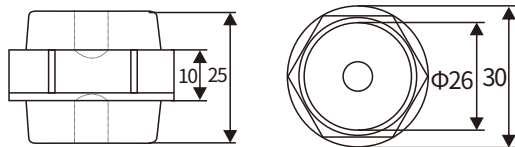
Product model meaning



Product characteristics

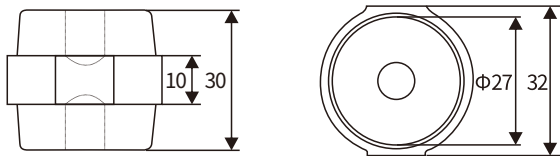
- Operating temperature : -40°C~+140°C;
- Nut: Iron nut (brass nut optional);
- Material: Unsaturated Polyester Resin,Glass Fiber Reinforced Plastic;
- Color, insert, material properties can be customized according to customer needs;
- Mounting screws (optional accessories).

Product selection



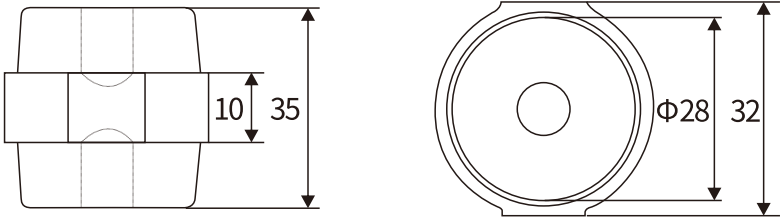
SM-25

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M6/M8	Axial tensile	2000N	Operating voltage	600V	Insulation resistance	500mΩ
Hole depth	9mm/10mm	Bending resistance	4000N	Pulse voltage	3000V		
Nut material	Iron (Brass)	Tightening torque	10N/m	Leakage current at 2000V operating voltage	<1mA		



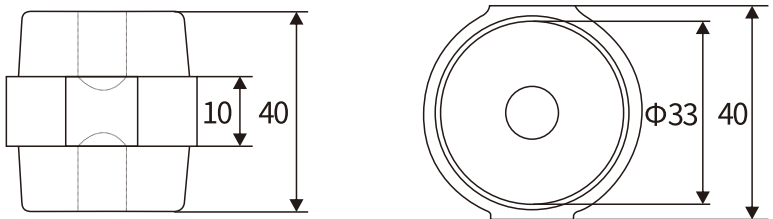
SM-30

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M6/M8	Axial tensile	2000N	Operating voltage	600V	Insulation resistance	500mΩ
Hole depth	9mm/10mm	Bending resistance	4000N	Pulse voltage	3000V		
Nut material	Iron (Brass)	Tightening torque	10N/m	Leakage current at 2000V operating voltage	<1mA		



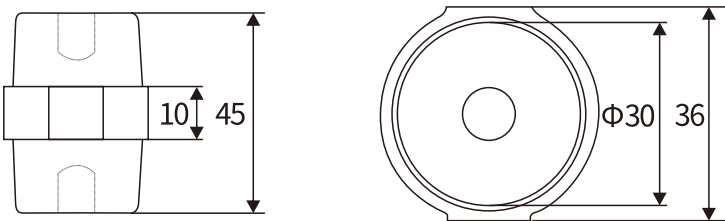
SM-35

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M8/M10	Axial tensile	3000N	Operating voltage	600V	Insulation resistance	>500mΩ
Hole depth	10M/12M	Bending resistance	4000N	Pulse voltage	5000V		
Nut material	Iron (Brass)	Tightening torque	12N/m	Leakage current at 2000V operating voltage	<1mA		



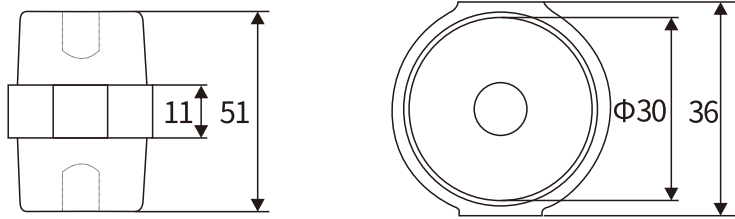
SM-40

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M8/M10	Axial tensile	3000N	Operating voltage	600V	Insulation resistance	>1000MΩ
Hole depth	10.5/13.5mm	Bending resistance	5000N	Pulse voltage	5000V		
Nut material	Iron (Brass)	Tightening torque	15N/m	Leakage current at 2000V operating voltage	<1mA		



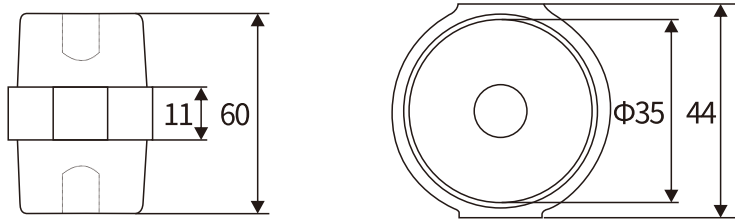
SM-45

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M8	Axial tensile	4000N	Operating voltage	600V	Insulation resistance	>1000MΩ
Hole depth	10.5	Bending resistance	5500N	Pulse voltage	5000V		
Nut material	Iron (Brass)	Tightening torque	15N/m	Leakage current at 2000V operating voltage	<1mA		



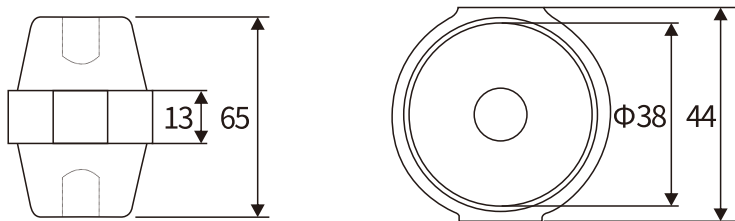
SM-51

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M8/M10/M12	Axial tensile	3000N	Operating voltage	600V	Insulation resistance	>1000MΩ
Hole depth	10.5mm/13.5mm	Bending resistance	5000N	Pulse voltage	5000V		
Nut material	Iron (Brass)	Tightening torque	15N/m	Leakage current at 2000V operating voltage	<1mA		



SM60(S)

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M8/M10	Axial tensile	3000N	Operating voltage	600V	Insulation resistance	>1000MΩ
Hole depth	10.5/13.5mm	Bending resistance	5000N	Pulse voltage	5000V		
Nut material	Iron (Brass)	Tightening torque	15N/m	Leakage current at 2000V operating voltage	<1mA		



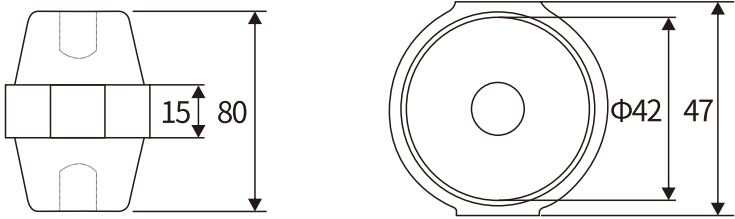
SM-65

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M10	Axial tensile	4000N	Operating voltage	660V	Insulation resistance	>1000MΩ
Hole depth	13.5mm	Bending resistance	5500N	Pulse voltage	8000V		
Nut material	Iron (Brass)	Tightening torque	20N/m	Leakage current at 2000V operating voltage	<1mA		



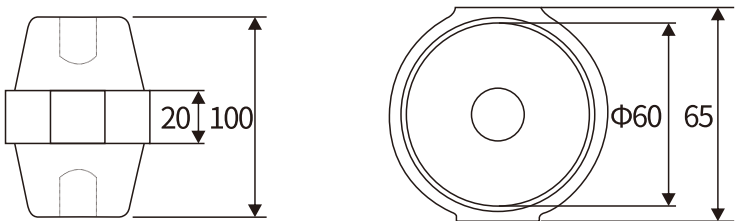
SM-70

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M10	Axial tensile	4000N	Operating voltage	1500V	Insulation resistance	>1000MΩ
Hole depth	13.5mm	Bending resistance	5000N	Pulse voltage	8000V		
Nut material	Iron (Brass)	Tightening torque	20N/m	Leakage current at 2000V operating voltage	<1mA		



SM-80

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M8	Axial tensile	4000N	Operating voltage	1500V	Insulation resistance	>1500MΩ
Hole depth	10.5mm	Bending resistance	5000N	Pulse voltage	10000V		
Nut material	Iron (Brass)	Tightening torque	20N/m	Leakage current at 2000V operating voltage	<1mA		



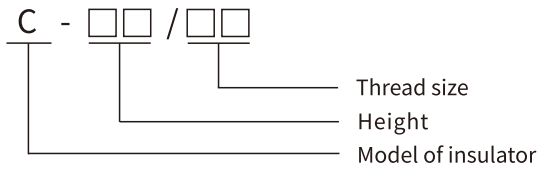
SM-100

Insert pieces		Intensity		Electrical property		Insulation strength	
Nut specification	M10	Axial tensile	5000N	Operating voltage	1500V	Insulation resistance	>2000MΩ
Hole depth	18mm	Bending resistance	5000N	Pulse voltage	10000V		
Nut material	Iron (Brass)	Tightening torque	20N/m	Leakage current at 2000V operating voltage	<1mA		

C Insulator Series



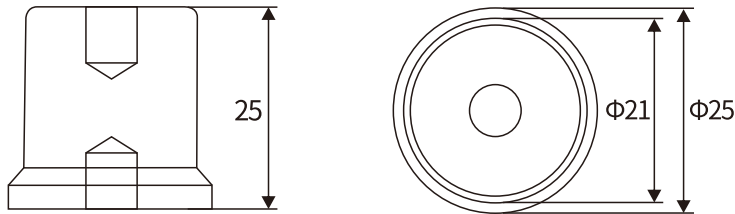
Product model meaning



Product characteristics

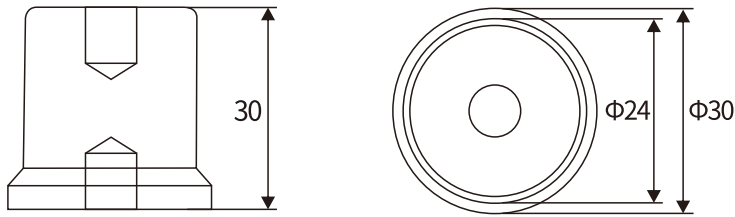
- Operating temperature : -40°C~+140°C;
- Nut: Iron nut (brass nut optional);
- Material: Unsaturated Polyester Resin, Glass Fiber Reinforced Plastic;
- Color, insert, material properties can be customized according to customer needs;
- Mounting screws (optional accessories).

Product selection



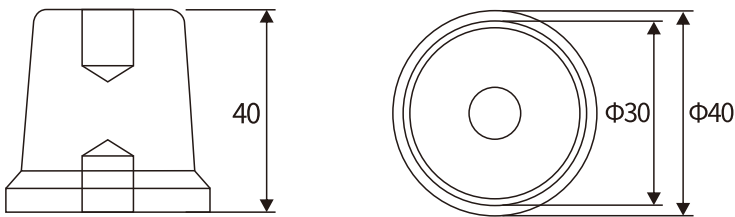
C-25

Height (mm)	Diameter (mm)	Thread (mm)
25	25	M6



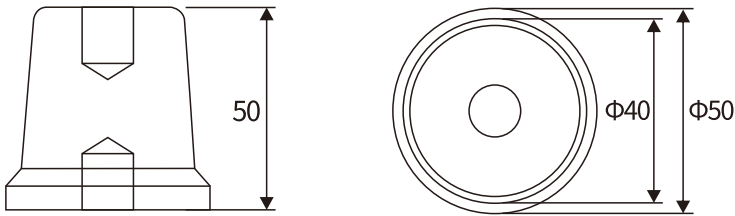
C-30

Height (mm)	Diameter (mm)	Thread (mm)
30	30	M6/M8



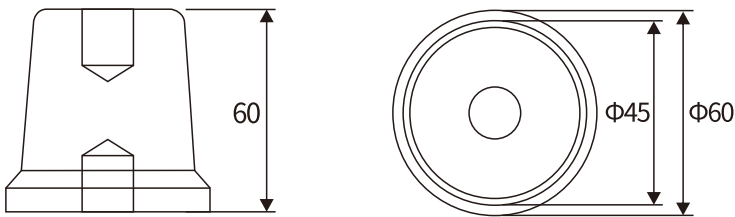
C-40

Height (mm)	Diameter (mm)	Thread (mm)
40	40	M8/M10



C-50

Height (mm)	Diameter (mm)	Thread (mm)
50	50	M10



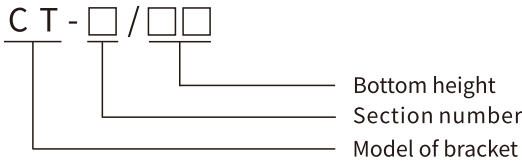
C-60

Height (mm)	Diameter (mm)	Thread (mm)
60	60	M10/M12

CT Neutral Bar Bracket



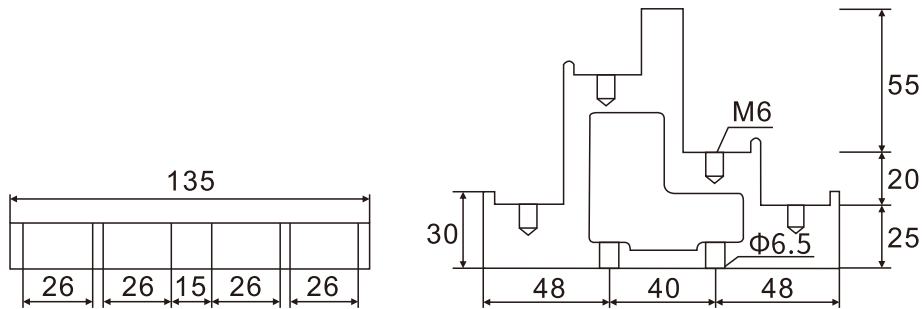
Product model meaning



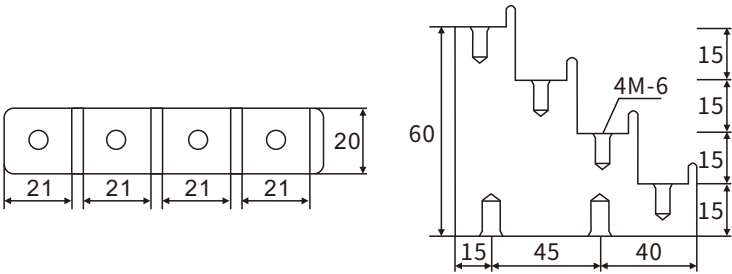
Product characteristics

- Operating temperature : -40°C~+140°C;
- Nut: Iron nut (brass nut optional);
- Material: Unsaturated Polyester Resin, Glass Fiber Reinforced Plastic;
- Color, insert, material properties can be customized according to customer needs;
- Mounting screws (optional accessories).

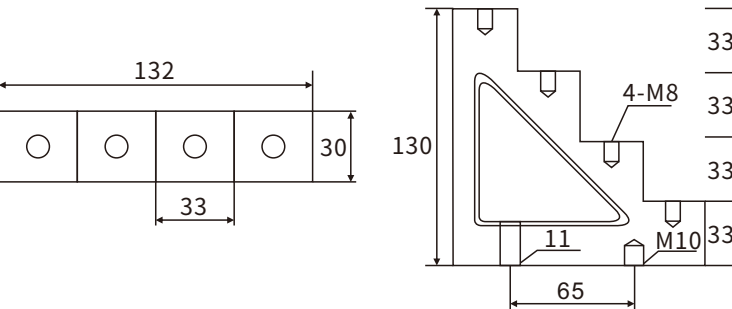
Product selection



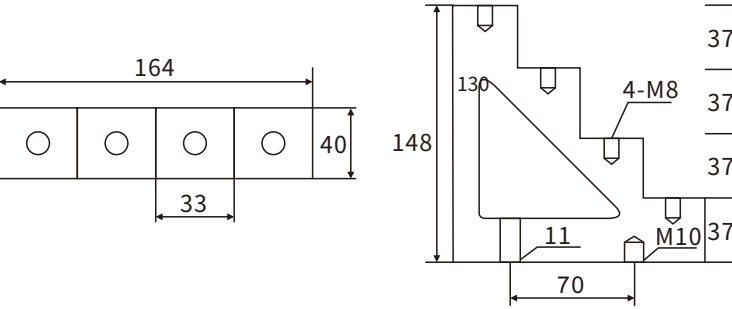
Model number	Length (mm)	Height (mm)	UP nut	Bottom nut
CT5-25	135	25(100)	M6	M6



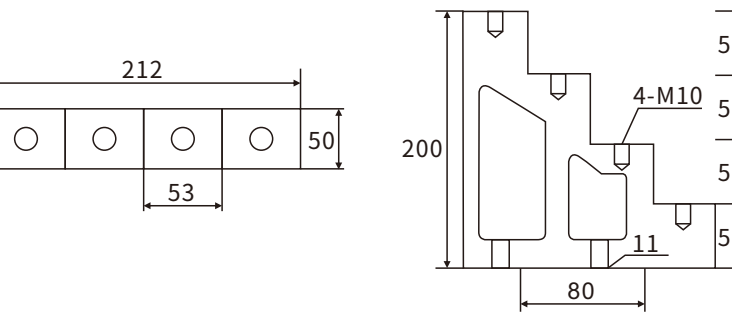
Model number	Length (mm)	Height (mm)	UP nut	Bottom nut
CT4-20	100	20(60)	M6	M6



Model number	Length (mm)	Height (mm)	UP nut	Bottom nut
CT4-30	132	30(130)	M8	M10



Model number	Length (mm)	Height (mm)	UP nut	Bottom nut
CT4-40	164	40(148)	M8	M10



Model number	Length (mm)	Height (mm)	UP nut	Bottom nut
CT4-50	212	50(200)	M10	M10

EL Copper Busbar Clamp Bracket



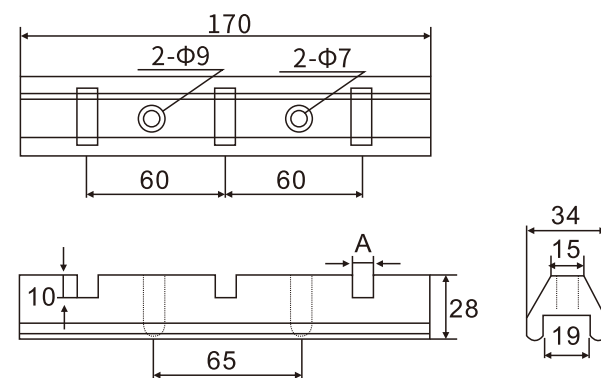
Product model meaning



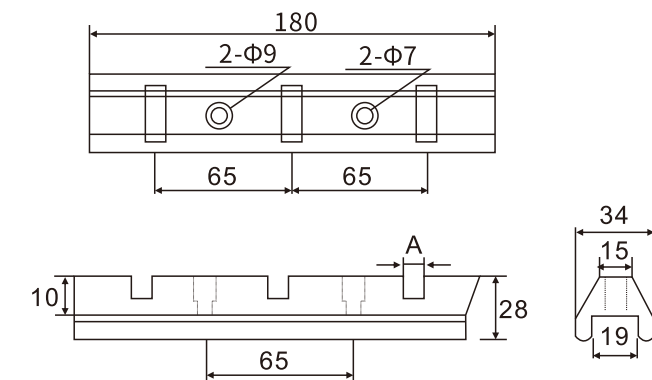
Product characteristics

- Operating temperature :-40°C~+140°C;
- Material: Unsaturated Polyester Resin,Glass Fiber Reinforced Plastic;
- Color, insert, material properties can be customized according to customer needs;

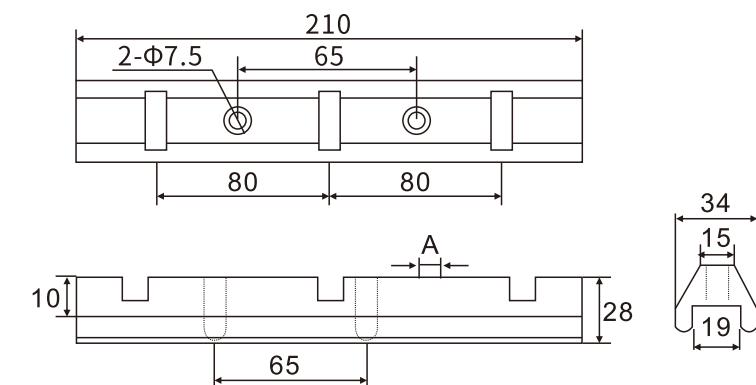
Product selection



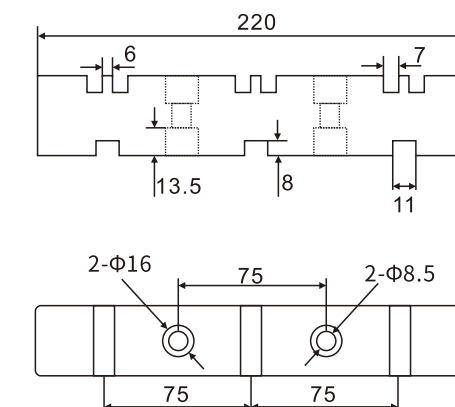
EL-170
A:8mm、 10mm



EL-180
A:8mm、10mm



EL-210
A:8mm、10mm



EL-220
A:8mm、10mm

PG / M Cable Gland



Product characteristics

Material: UL nylon 6/6, fire rating 94V-2, and the clamping ring is made of heat-resistant rubber material.

Features: 1. The clamping ring is specially designed with strong tensile force and does not cause damage to the motor.
2. The fixed head does not need to be disassembled, and the cable can be directly threaded tightly, saving time and convenience.

Usage: Used for fixing cables in general mechanical control boxes, distribution boxes, machines, electrical appliances, etc.

Technical parameter

PG Cable Gland

Type	D1	D2	L1	L2	L3	L4	B1	Range
PG-07	12	8.1	9	5	15	14	6.5	3.5-6
PG-09	16	11	9	5	15	16	8.6	4-8
PG-11	17.9	13	9	5	18	18	10.7	5-10
PG-13.5	20.2	15	9	5	20	19	13.3	6-12
PG-16	22	17	11	5	20	19	14.3	10-14
PG-19	24	19	11	5	22	21	15.5	12-15
PG-21	26.9	21.8	11	6	24	22	16.7	13-18
PG-24	29.8	24	13	7	24	24	19.2	15-22
PG-29	36	28	13	7	25	24	24.8	18-25
PG-36	45.7	39	15	8	32	27	30.7	22-32
PG-42	54	46	15	8	33	29	35.6	30-38
PG-48	59	51	16	8	36	30	41.4	34-44
PG-63	71	63.5	28	9	45	44	55	42-54

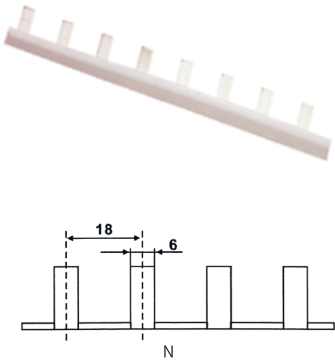
M Cable Gland

Type	D1	D2	L1	L2	L3	L4	B1	Range
M12x1.5	12.0	8.1	9	5	15	14.0	6.4	3.5-6
M16x1.5	16.0	11.0	9	5	15	16.0	8.6	4-8
M18x1.5	17.9	13.0	9	5	18	18.0	10.7	5-10
M20x1.5	20.2	15.0	9	5	20	19.0	13.3	6-12
M24x1.5	24.0	19.0	11	5	22	21.0	15.5	12-15
M27x1.5	26.9	21.8	11	6	24	22.0	16.7	13-18
M30x1.5	29.8	24.0	13	7	24	24.0	19.2	15-22
M32x1.5	29.8	24.0	13	7	24	24.0	19.2	15-25
M36 x1.5	36.0	28.0	13	7	25	24.0	24.8	18-25
M40x1.5	40.0	33.0	18	7	27	25.0	26.2	22-30
M48x1.5	45.7	39.0	18	8	32	27.0	30.7	22-32
M50x1.5	50.0	42.5	18	8	33	29.0	36.4	30-38
M63 x1.5	63.0	54.1	18.5	8	36	32.6	41.5	34-44
M70x1.5	71.0	63.5	28	9	45	44.0	55	42-54

Copper Busbar Series

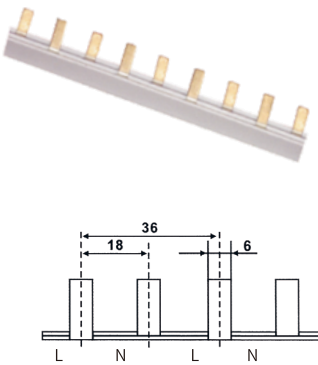
BUSBAR Pin 1P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		



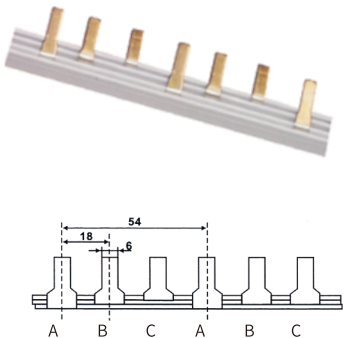
BUSBAR Pin 2P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		



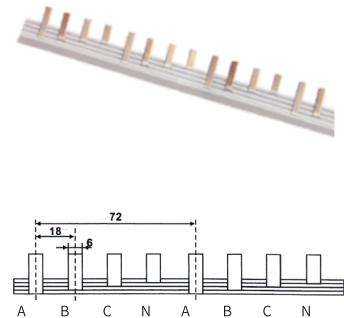
BUSBAR Pin 3P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		1.8×10



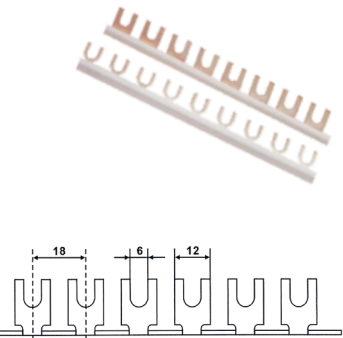
BUSBAR Pin 4P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		1.8×10



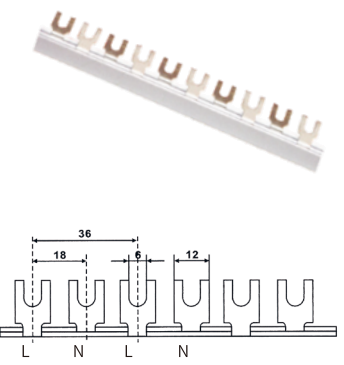
BUSBAR U 1P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		



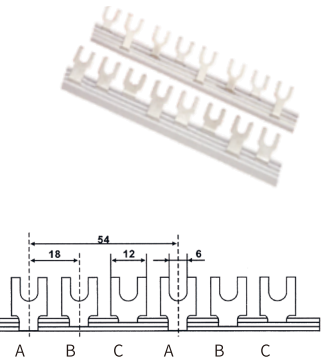
BUSBAR U 2P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		



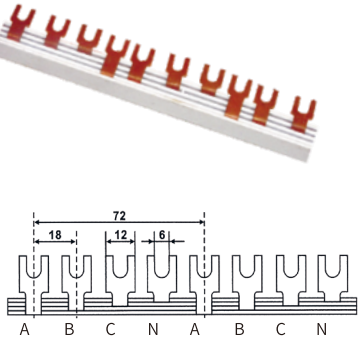
BUSBAR U 3P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		



BUSBAR U 4P

AxB		
1.0×5	1.2×7	1.2×9
1.2×5	1.5×7	1.5×9
1.5×5	1.8×7	1.8×9
1.8×5		



10

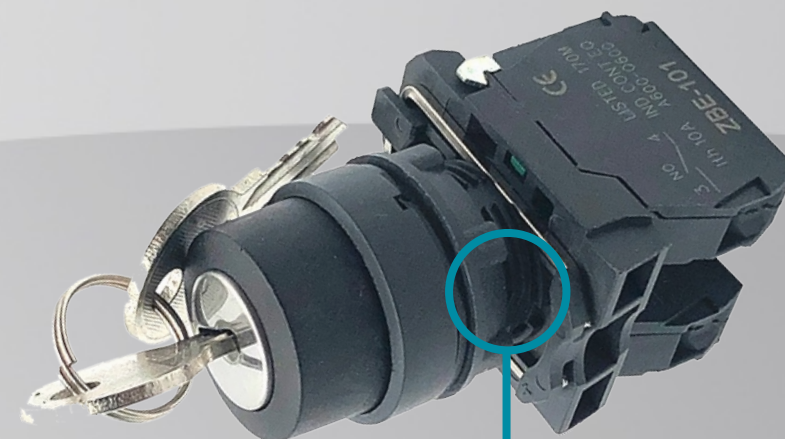
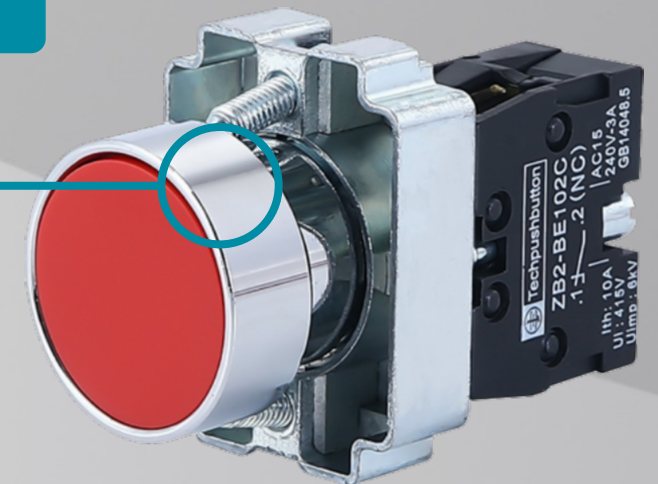
INDICATOR DIGITAL METER AND PUSH BUTTON

High-transparent
protective cover



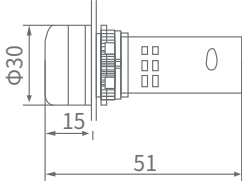
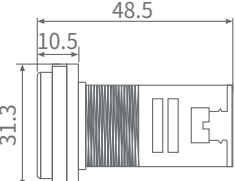
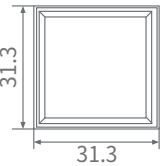
Multi-color options,
Flame retardant housing

Excellent shell,
Insulated fireproof

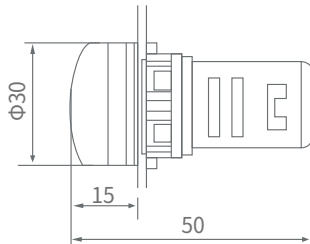
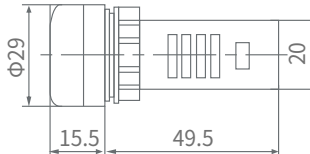
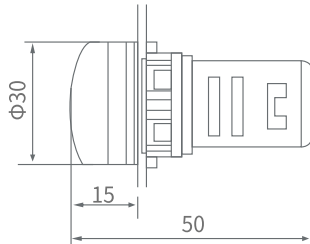


Silver contacts,
strong conductivity

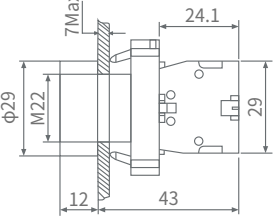
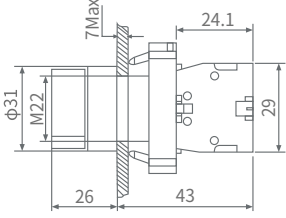
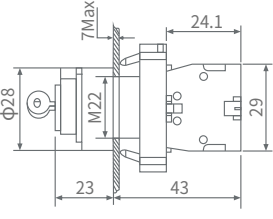
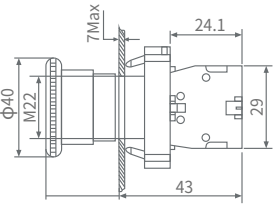
AD Series Indicator Digital Meter

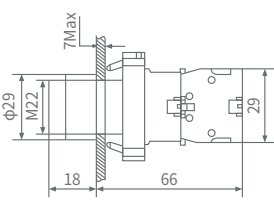
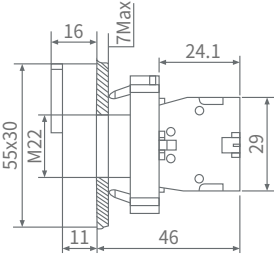
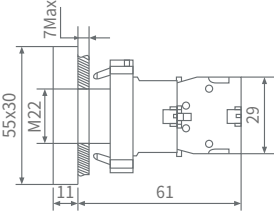
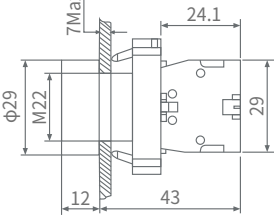
Style	Name	Type	Color	Lamp voltage	Outline Dimensions
	Indicator Voltmeter	AD-22VM	○ White ● Green ● Red ● Yellow ● Blue	AC20~500V	
	Indicator Ammeter	AD-22AM		0~100A Max AC380	
	Indicator Frequency Meter	AD-22Hz		0~99Hz	
	Indicator Voltmeter	AD-22VM		DC5~60V	 
	Indicator Voltmeter	AD-22VMS		AC20~500V	
	Indicator Ammeter	AD-22AMS		0~100A Max AC380	
	Indicator Frequency Meter	AD-22HzS		0~99Hz	
	Indicator Thermo-meter	AD-22TMS		DC5~60V	

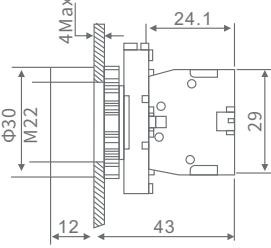
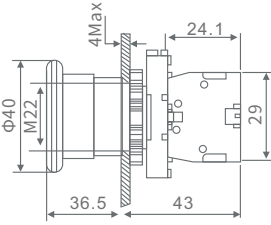
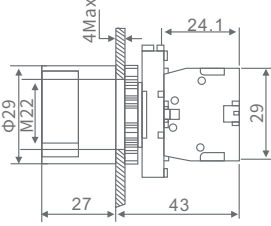
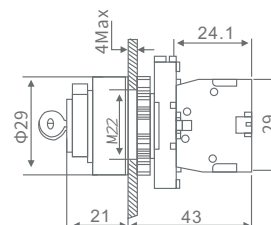
AD16 Series Indicator

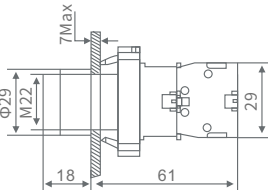
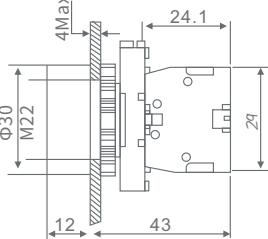
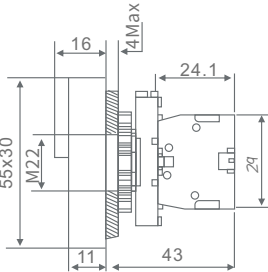
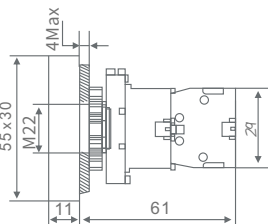
Style	Name	Type	Color	Lamp voltage	Outline Dimensions
	Φ22C Mdicator light B type	AD16-22CS AD16-22C	○ White ● Green ● Red ● Yellow ● Blue		
	Φ22E Mdicator light B type	AD16-22ES AD16-22E			
	Φ30 Indicator light	AD16-30DS			
	Buzzer	AD16-22SM	● Black	21-DC.AC 6V 22-DC.AC 12V 23-DC.AC 24V 24-DC.AC 36V 25-DC.AC 48V 26-DC.AC 110V 27-DC.AC 127V 28-DC.220V 29-FD.380V 31-AC.220V 32-AC.380V	
	Flash Buzzer	AD16-22SM	○ White ● Green ● Red ● Yellow ● Blue		
	Flash Buzzer	AD16-22SM			
	Schneider type	BVM			
	Zhengtai type	AD16-22DS AD16-22D			

XB2 Series Push Button

Style	Name	Type	Color	Contact	Working condition	Outline Dimensions
	Even button spring return	XB2-BA11	○ White	N/O	Self restoration	
		XB2-BA21	● Black	N/O		
		XB2-BA31	● Green	N/O		
		XB2-BA42	● Red	N/C		
		XB2-BA51	● Yellow	N/O		
		XB2-BA61	● Blue	N/O		
	Short handle stay put	XB2-BD21	∨	N/O	2 position self-lock	
		XB2-BD25	∨	N/O+N/C	2 position self-lock	
		XB2-BD41	↙	N/O	2 position Key 1 spring return to centre	
		XB2-BD45	↙	N/O+N/C	2 position Key 1 spring return to centre	
	Key stay put	XB2-BG21	∨	N/O	2 position self-lock	
		XB2-BG41	↙	N/O	2 position Key 1 spring return to centre	
		XB2-BG33	∨	N/O+N/O	3 position self-lock	
		XB2-BG53	↙	N/O+N/O	3 position Key 1 spring return to centre	
	Mushroom head turn to release	XB2-BS442	● Red	N/C	Maintained	
		XB2-BS542	● Red	N/C		

Style	Name	Type	Color	Contact	Working condition	Outline Dimensions
	Direct bulb supplied	XB2-BW1361	○ White	N/O	130V 50/60Hz 220V 50/60Hz 380V 50/60Hz	
		XB2-BW3361	● Green	N/O		
		XB2-BW3462	● Red	N/C		
		XB2-BW3561	● Yellow	N/O		
		XB2-BW3661	● Blue	N/O		
	1 flush green push button 1 flush red push button	XB2-BL8325	● Green	N/O+N/C	Self restoration	
		XB2-BL8425	● Red			
	Illuminated double head button-220V	XB2-BW8365	● Green	N/O+N/C	Self restoration	
		XB2-BW8465	● Red			
	Even button spring return with symbol logo	XB2-BA3341	⬆ White	N/O	Self restoration	
		XB2-BA3351	⬆ Black	N/O		
		XB2-BA3311	● Green	N/O		
		XB2-BA4322	● Red	N/C		
		XB2-BA5342	● Red	N/C		

Style	Name	Type	Color	Contact	Working condition	Outline Dimensions
	Even button spring return	XB2-EA11	○ White	N/O	Self restoration	
		XB2-EA21	● Black	N/O		
		XB2-EA31	● Green	N/O		
		XB2-EA42	● Red	N/C		
		XB2-EA51	● Yellow	N/O		
		XB2-EA61	● Blue	N/O		
	Mushroom head turn to release	XB2-ES542	● Red	N/C	Maintained	
	Short handle stay put	XB2-ED21	∨	N/O	2 position self-lock	
		XB2-ED25	∨	N/O+N/C	2 position self-lock	
		XB2-ED41	∨	N/O	2 position Key 1 spring return to centre	
		XB2-ED45	∨	N/O+N/C	2 position Key 1 spring return to centre	
	Key stay put	XB2-EG21		N/O	2 position self-lock	
		XB2-EG41		N/O	2 position Key 1 spring return to centre	
		XB2-EG33		N/O+N/O	3 position self-lock	
		XB2-EG53		N/O+N/O	3 position Key 1 spring return to centre	

Style	Name	Type	Color	Contact	Working condition	Outline Dimensions
	Illuminated button directness with Neon or LED 6~380V	XB2-EW3462	 Red	NC	Self restoration	
		XB2-EW3361	 Green	NO		
		XB2-EW3561	 Yellow			
		XB2-EW3661	 Blue			
	Flush button with mark	XB2-EA3311	 I	NO	Self restoration	
		XB2-EA3341	 I	NO		
		XB2-EA3351	 I	NO		
		XB2-EA3331	 Stop	NO		
		XB2-EA4322	 NC	NC		
		XB2-EA4342	 Stop	NC		
	Double-headed button	XB2-EL8325	 I	N/O+N/C	Self restoration	
		XB2-EL8425	 I			
	Illuminated double-headed button with Neon or LED 6~380V	XB2-EW8365	 I	N/O+N/C	Self restoration	
		XB2-EW8465	 I			

Push Button Switch



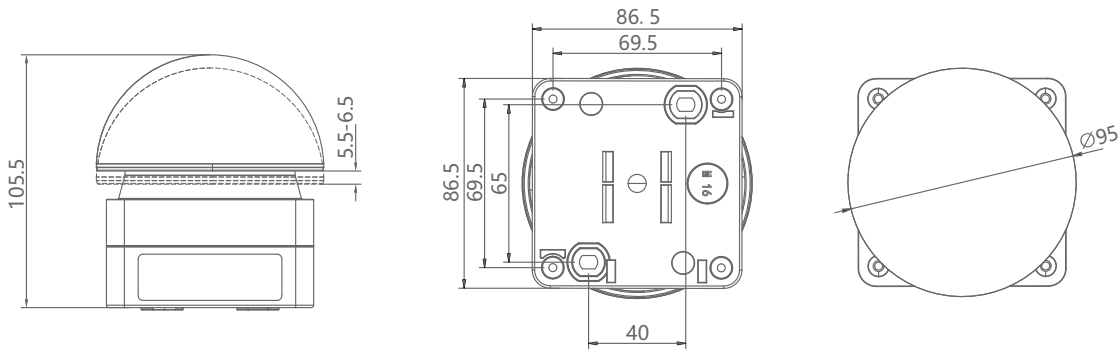
Self-Locking

Auto Reset

Product characteristics

- Multiple colors available for selection as needed.
- Options:self-locking/auto-reset.
- Head Colors:Red/Yellow/Green/Black.
- Can be washed with high pressure cleaners up to 100 Pa.
- IP65.
- Contact resistance: ≤100mΩ.

Product selection



Part No.	Description	Normally open	Normally closed	Contact number	Product model	Box Qty
PSR/B	IP65 Auto Reset Push Button Switch /Black	1M	1B		Auto Reset	
PSR/R	IP65 Auto Reset Push Button Switch /Red	1M	1B		Auto Reset	
PSR/Y	IP65 Auto Reset Push Button Switch /Yellow	1M	1B		Auto Reset	
PSR/G	IP65 Auto Reset Push Button Switch /Green	1M	1B		Auto Reset	
PSS/R	IP65 Self Locking Push Button Switch/Red	1M	1B		Self-Locking	