



METO 美拓

Zhejiang Meto Electrical Co., Ltd

No.4 Huaxia road, Xinguang Industrial Zone, Liushi town, Yueqing, Wenzhou, Zhejiang, China.

TEL: 0086-577-62708778 62708770
FAX: 0086-577-62708779

<http://www.chinameto.com>

<http://meter-socket.en.alibaba.com>

E-mail: info@chinameto.com metomfg@aliyun.com

MSN: trakou@hotmail.com Skype: machealwu

Authorized Distributor.



ELECTRICAL

Professional manufacture, High quality products with competitive price;
Timely delivery and shipment, perfect after-sales service;
Fast business feedback and management; rich product selections;
latest technology and science supported to develop new items and OEM welcomed.

Meter Mounting Equipment
Load Centers & Distribution Board
Circuit Breakers
Electrical Accessories

METO 美拓

Products Manual



Company Profile

Zhejiang Meto Electrical Co.Ltd. is seated in the Capital of Electrical Appliances, Luishi town, Yueqing city. Incorporating developing, manufacturing and distributing, Meto is a modern enterprise professionally manufacturing Meter Socket, Load Center, distribution board, Safe switch, circuit breaker and electrical accessories. The products are widely exported into many countries and regions which apply ANSI and IEC. The technical indexes of products conform to the technical qualification standards of America and Africa and middle east.

After nine years tireless efforts, Meto has constructed a set of management system, passed the ISO9001 international quality management system certification, owned a team qualified in developing, manufacturing and distributing, and formed a perfect distribution network. Strict product inspection and perfect distribution procedure in Meto ensure the delivery of 100% qualified products to our customers. With the market development and requirement, we have increasingly researched and developed various new products, creating our own brands, METO and TRAKOU. The spirit of Meto is striving for perfection, seeking for improvement, pursuing innovation, being rigorous and hardworking, and being bold in practice. At present, its products have been distributed to more than 40 countries, such as USA, Canada, Mexico, Columbia, the Philippines, Saudi Arabia, Middle east, Venezuela, the Dominican Republic, Ecuador, Nicaragua, Salvador, Jamaica and Africa market. The products are popular in these regions and welcomed by its customers.

Zhejiang Meto Electrical Co. Ltd. is grateful to the friends from all walks of life long-term support and trust. We will continuously inherit the enterprise culture, foster modern intellects, and fulfill social responsibility. We all staff are expecting cooperation and advance with you hand in hand, co-building a "professional, safe, reliable" great exploit.



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Meter Mounting Equipment

Quality is the kernel concept of enterprise, our company put such concept into each procedure in enterprise administration, execute it as promised.



METO meter sockets can be installed on homes with light load current, requirements of 100 amps, up to the demanding requirements of the largest requiring single 320 amp meter sockets or multiple meter sockets feeding multiple service panets.

Meter Mounting Equipment

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MT-100R Series Meter Socket

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Features:

100A, 120/240V AC, Single phase, 2 or 3 wires,
Line and load lugs: 1/0 Max, Cu-Al
Conforms to ANSI 12.7
Mounting: Surface, pole outdoor.
Locking: Sealing ring has lock provision.

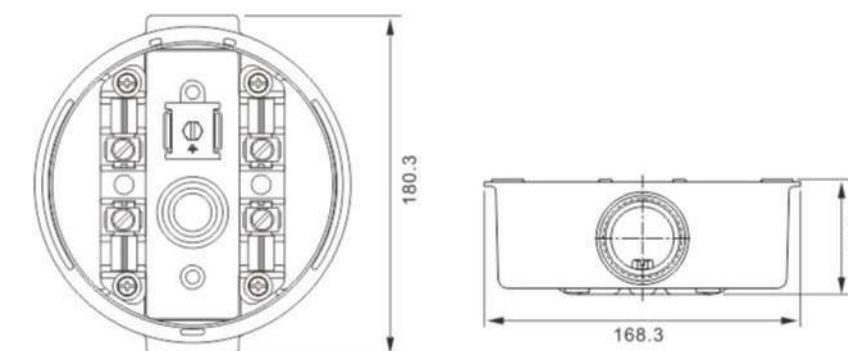
Housing:

Die cast Aluminum electrostatically applied epoxy baked gray powder finished.
Round type base.
NEMA 3R Rating for outdoor use.

Specification:

Product Number	Description	Fixed Hubs Size
MT-100R-B	1Phase, 100A, 120/240Vac, 4 jaw	1/2"
MT-100R-C	1Phase, 100A, 120/240Vac, 4 jaw	3/4"
MT-100R-D	1Phase, 100A, 120/240Vac, 4 jaw	1"
MT-100R-E	1Phase, 100A, 120/240Vac, 4 jaw	1-1/4"

Dimensions:



Stainless Steel Sealing Ring

Product Number	Description	Thickness
MT-100R-fitting	Meter socket jaw type	0.35mm
MR-02	Stainless steel screw type	0.35mm
MR-03	Stainless steel belt type	0.35mm
MR-04	Steel Screw type	1.5mm



MT-100R-D



MT-100R-E



Meter Mounting Equipment

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MT-100S Series Meter Socket

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MT-100S-4J-R-H



MT-100S-4J-R



MT-100S-4J-RL

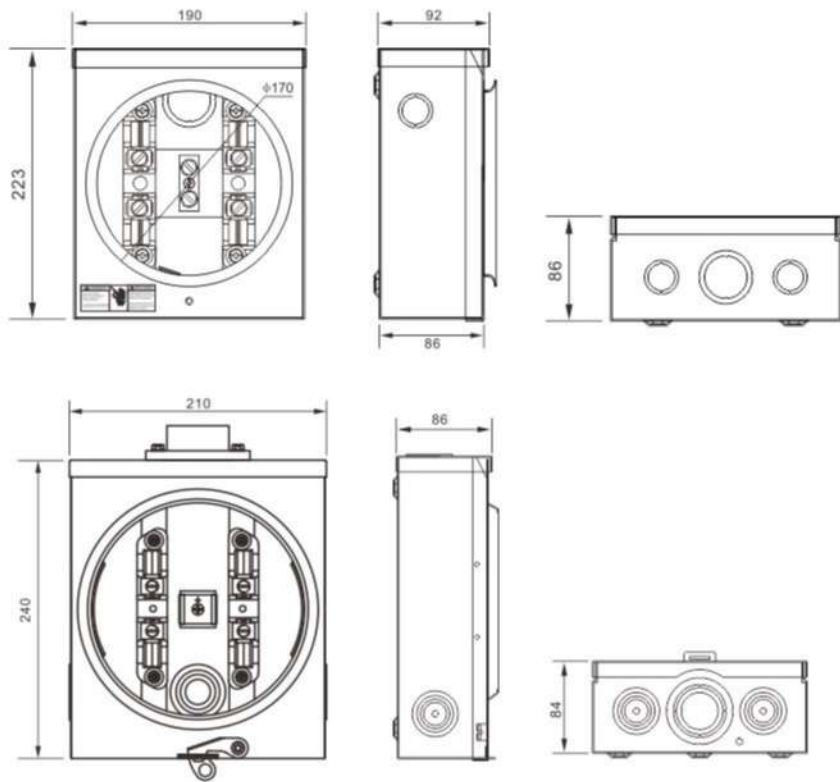
Features:

- 100A/125A,600V max, Single phase,2 or 3 wires
- Conform to ANSI 12.7
- Heavy duty tinned copper jaw
- NEMA 3R type construction 1.2mm thickness (#18 gauge) galvanized steel sheet.
- Ample gutter space for easy wiring
- The fixed hub size 1/2" to 2-1/2" for option

Specification:

Product Number	Description	Outline Dimensions		
		H	W	D
MT-100S-4J-R-H	1 Phase, 100A, 4jaw, ring type	223	190	86
MT-100S-4J-R	1 Phase, 100A, 4jaw, ring type	223	190	86
MT-100S-4J-RL	1 Phase, 100A, 4jaw, ring type	223	190	86

Dimensions:



Meter Mounting Equipment

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MT-125S Series Meter Socket

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MT-125-4J-RL



MT-125-7J-RL



MT-125-7J-RL

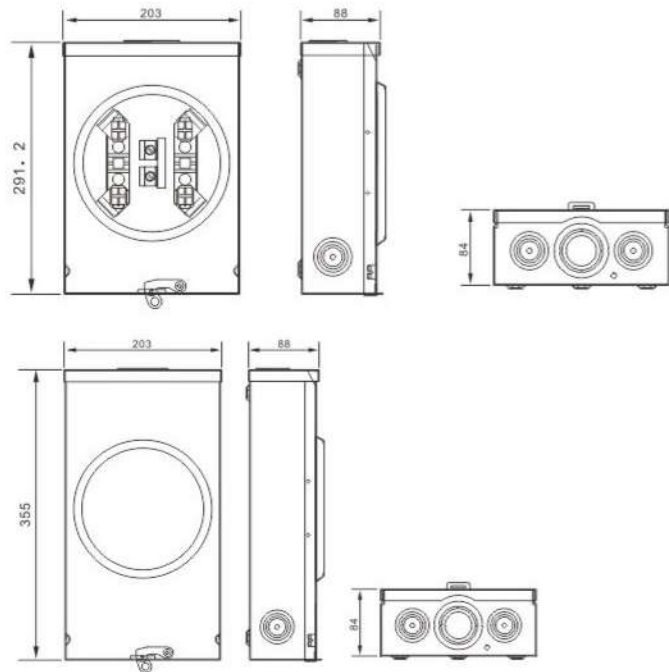
Features:

- 125Amps,600V AC.
- Connectors Line and load size #6-350 Cu-Al.
- Heavy duty tinned copper jaw with reinforced clip.
- C/W center neutral bar.
- NEMA 3R type construction 1.2mm thickness (#18 gauge) or 1.5mm thickness (#16 gauge) galvanized steel sheet, electrostatically applied epoxy baked gray powder finished.
- Ample gutter space for easy wiring.
- Convenient knockouts in the side back and bottom.
- Lay in type terminal with pressure plates for easy connections.
- The fixed hub size 1/2" to 2-1/2" for option.

Specification:

Product Number	Description	Outline Dimensions		
		H	W	D
MT-125-4J-R	1 Phase, 125A, 4jaw, ring type	396	203	108
MT-125-5J-R	1 Phase, 125A, 5jaw, ring type	396	203	108
MT-125-7J-R	3 Phase, 125A, 7jaw, ring type	396	203	108
MT-125-4J-RL	1 Phase, 125A, 4jaw, ringless type	396	203	108
MT-125-5J-RL	1 Phase, 125A, 5jaw, ringless type	396	203	108
MT-125-7J-RL	3 Phase, 125A, 7jaw, ringless type	396	203	108
MT-125B-4J-RL	1 Phase, 125A, 4jaw, ringless type	396	280	108

Dimensions:



Meter Mounting Equipment

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MT-200 Series Meter Socket

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MT-200-4J-R



MT-200-7J-RL



MT-200B-4J-RL

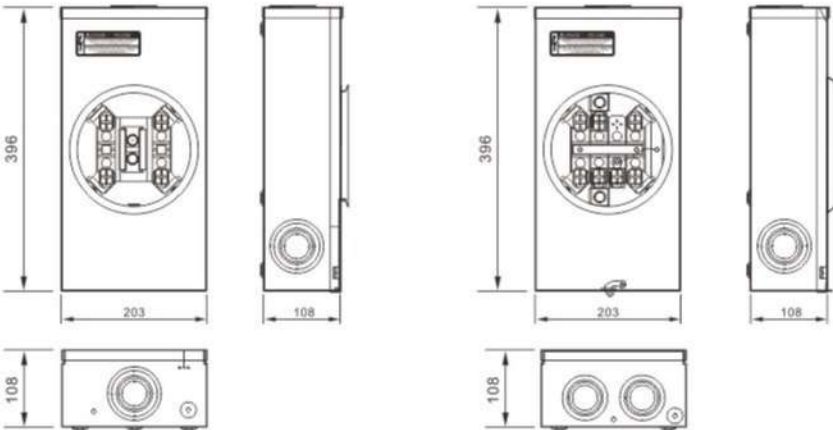
Features:

- 200Amps,600V AC.
- Connectors Line and load size #6-350 Cu-Al.
- Heavy duty tinned copper jaw with reinforced clip.
- C/W center neutral bar.
- NEMA 3R type construction 1.2mm thickness (#18 gauge) or 1.5mm thickness (#16 gauge) galvanized steel sheet, electrostatically applied epoxy baked gray powder finished.
- Ample gutter space for easy wiring.
- Convenient knockouts in the side back and bottom.
- Lay in type terminal with pressure plates for easy connections.
- The fixed hub size 1/2" to 2-1/2" for option.

Specification:

Product Number	Description	Outline Dimensions		
		H	W	D
MT-200-4J-R	1 Phase, 200A, 4jaw, ring type	396	203	108
MT-200-5J-R	1 Phase, 200A, 5jaw, ring type	396	203	108
MT-200-7J-R	3 Phase, 200A, 7jaw, ring type	396	203	108
MT-200-4J-RL	1 Phase, 200A, 4jaw, ringless type	396	203	108
MT-200-5J-RL	1 Phase, 200A, 5jaw, ringless type	396	203	108
MT-200-7J-RL	3 Phase, 200A, 7jaw, ringless type	396	203	108
MT-200B-4J-RL	1 Phase, 200A, 4jaw, ringless type	396	280	108

Dimensions:



MT-200 Single phase type

MT-200 Three phase type

Meter Mounting Equipment

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MT-20/MT-320 Series Meter Socket

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MT-20-13J-RL



MT-20-6J-RL



MT-320-4J-RL

MT-20 Series Meter Socket

Features:

- 20 AMP.
- CURRENT TRANSFORMER RATED.
- By pass: Plunger type bypass automatically closes when meter is removed.
- NEMA 3R type construction 1.2mm thickness (#18 gauge) or 1.5mm thickness (#16 gauge) galvanized steel sheet (AISI G90) ,electrostatically applied epoxy baked gray powder finished.
- Ample gutter space for easy wiring.
- Convenient knockouts in the side back and bottom.
- The fixed hub size 1/2" to 2-1/2" for option.

Specification:

Product Number	Description	Outline Dimensions		
		H	W	D
MT-20-13J-RL	1 Phase, 20A, 13 Terminal, ringless type	355	203	84
MT-20-6J-RL	1 Phase, 20A, 6 Terminal, ringless type	355	203	84

MT-320 Series Meter Socket

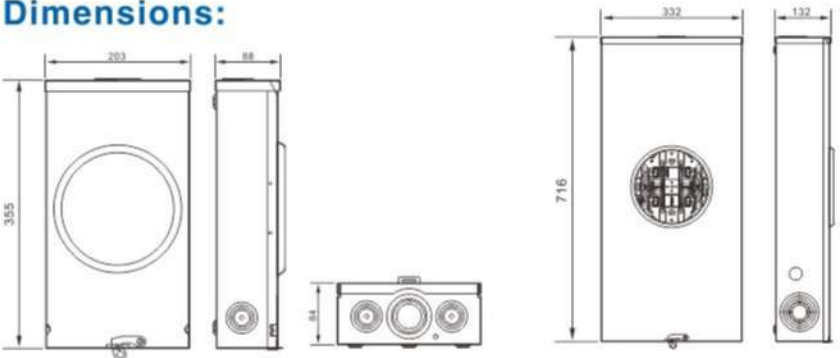
Features:

- 320Amps,600VAC,4Terminals,single phase,3 wire,ringless type.
- NEMA 3R type construction 1.5mm thickness (#16 gauge) galvanized steel sheet (AISI G90) ,electrostatically applied epoxy baked gray powder finished.
- Heavy duty lever bypass.
- Heavy duty tin plated copper jaw.
- OVERHEAD / UNDERGROUND.
- Convenient knockouts in the side back and bottom.
- The fixed hub size 2" to 2-1/2" for option.

Specification:

Product Number	Description	Outline Dimensions		
		H	W	D
MT-320-4J-RL	1 Phase, 320A, 4jaw, ringless type	716	332	132

Dimensions:



MT-20 Series

MT-320 Series

Load Centers & Modular Enclosures

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Meter Socket Fitting

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100A

Use on
MT-100R
MT-100S



125A

MT-125-4J-RL
MT-125-5J-RL



200A

MT-200-4J-RL
MT-200-4J-R



200A

Use on
MT-200-7J
MT-200-7J-R



20A

MT-20-6J-RL



20A

MT-20-13J-RL



320A

Use on
MT-320-4J-RL



Hub

1" 1-1/4" 1-1/2"
2" 2-1/2"



Lock

MT-200 Series



Load Centers & Distribution Board

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MTL Series Load Centers

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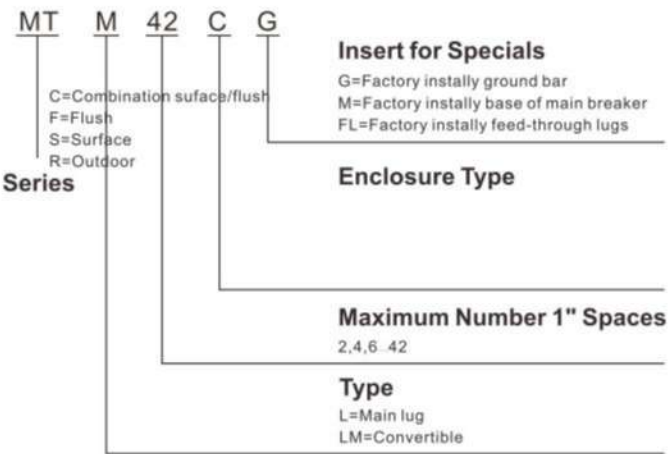
Application

MT series Load Centers have been designed for safe ,reliable distribution and control of electrical power as service entrance equipment in residential,commercial and light industrial premises. They are available in plug-in designs for indoor applications

Features

Made out of high quality electro-galvanized steel sheet of up to 0.9-1.5mm thickness.
Matt-finish polyester power coated paint.
Knockouts provided provided on all sides of the enclosure.
Accept GE's Q line circuit breakers,including GE's exclusive ½" THQPs.
Suitable for single-phase ,three-wire,120/240Vac, rated current to 225A.
Convertible to main breaker.
Wider enclosure offers ease of wiring and move heat dissipation.
Flush and surface mounted designs.
Knockouts for cable entry are entry are provided on top,bottom of the enclosure.

Product Number Guide



Specifications

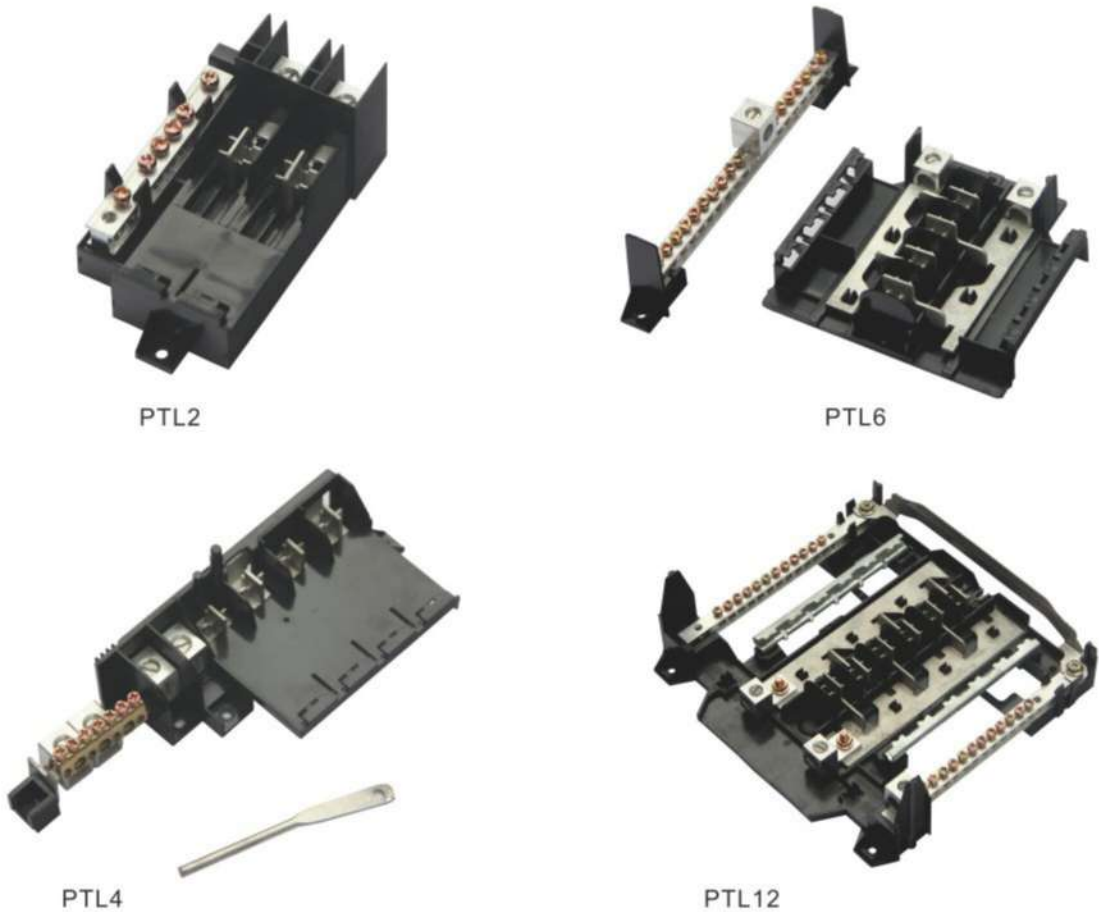
Product Number	Front Type	Main Ampere Rating	1"Spaces		1/2"Spaces		Total 1-pole Spaces
			1 Pole	2 Pole	1 Pole	2 Pole	
MTL240S	surface	40	2	1	4	1	4
MTL412C	combination	125	4	2	8	3	8
MTL612F	flush	125	6	3	12	4	12
MTL612FD	flush	125	6	3	12	4	12
MTLM612FM	flush	125	6	3	12	4	12
MTL512S	surface	125	6	3	12	4	12
MTL612SD	surface	125	6	3	12	4	12
MTLM612SM	surface	125	6	3	12	4	12
MTL812F	flush	125	8	4	16	8	16
MTL812FD	flush	125	8	4	16	8	16
MTLM812FM	flush	125	8	4	16	8	16
MTL812S	surface	125	8	4	16	8	16
MTL812SD	surface	125	8	4	16	8	16
MTLM812SM	surface	125	8	4	16	8	16
MTLM1212C	combination	125	12	6	24	10	24
MTLM1212CM	combination	125	12	6	24	10	24

Load Centers & Distribution Board

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Interior Of The MTL Load Center

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Product Number	Description
PTL2	Use on MTL240
PTL4	Use on MTL412
PTL6	Use on MTL612,MTL812
PTL12	Use on MTL1212

Load Centers & Distribution Board

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MTE1 Series Load Centers

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MTE1-04125-F



MTE1-08125-F



MTE1-12125-F



MTE1-16125-F

Application:

MTE series load Centers have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises.

Features:

- Some of the load Centers are made out of high quality Electro-galvanized steel sheet of up to 1.2-1.5mm thickness
- Matt-Finish polyester powder coated paint
- Knockouts provided on all sides of the enclosure.
- Accept plug-in circuit breakers.
- Suitable for single-Phase, Three-wire, 120/240Vac, rated current to 125A.
- Wider enclosure offers ease of wiring and move heat dissipation .
- Flush and Surface mounted designs
- Knockouts for cable entry are provided on Top, Bottom of the Enclosure.

Product Number Guide:

MTE1	36	125	F
Series			Enclosure type
			c=combination surface/flush
			F=Flush
			S=Surface
			R=Outdorr
Material of enclosure	2,4,6.....36	Rated current(A)	125,150

Specification:

Product Number	Front Type	Rated current(A)	Rated voltage (v)	No. of way	Rated Phase
MTE1-02125-S	Surface	125	120/240	2	DPN
MTE1-04125-F	Flush	125	120/240	4	DPN
MTE1-08125-F	Flush	125	120/240	8	DPN
MTE1-12125-F	Flush	125	120/240	12	DPN
MTE1-16125-F	Flush	125	120/240	16	DPN
MTE1-20125-F	Flush	125	120/240	20	DPN
MTE1-24150-F	Flush	150	120/240	24	DPN
MTE1-32150-F	Flush	150	120/240	30	DPN
MTE1-42150-F	Flush	150	120/240	36	DPN

Load Centers & Distribution Board

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MTLS Series Economic Load Centers



MTLS-2WAY



MTLS-4WAY



MTLS-6WAY



MTLS-8WAY



MTLS-12WAY

Application:

MTG series are ECONOMY Load Centers which can substitute some of the MTS series Load centers. They have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises

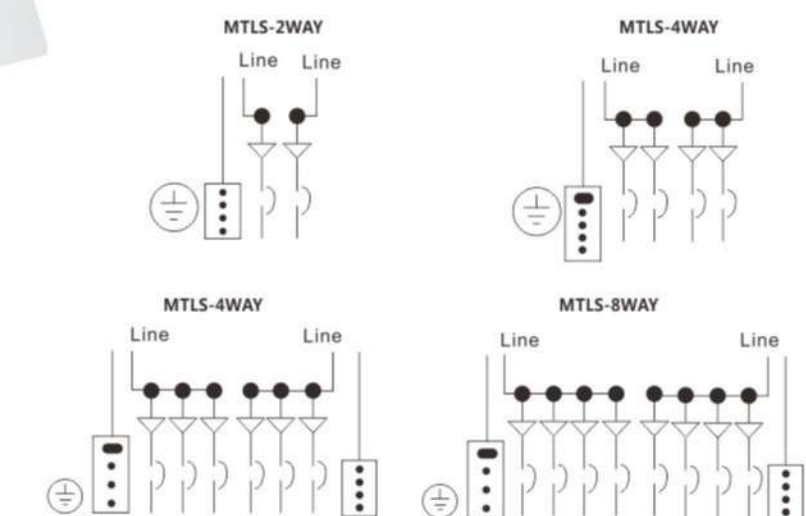
Specification:

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way
MTLS-2WAY	Flush/surface	40,60	120/240	2
MTLS-4WAY	Flush/surface	40,100	120/240	4
MTLS-6WAY	Flush/surface	40,100	120/240	6
MTLS-8WAY	Flush/surface	40,100	120/240	8
MTLS-12WAY	Flush/surface	40,100	120/240	12

Features:

- Made out of high quality steel sheet of up to 0.8-1.2mm thickness.
- Matt-Finish polyester powder coated paint.
- Knockouts provided on all sides of the enclosure.
- Accept GE type 1"THQL breakers.
- Suitable for single-phase,three-wire, rated current to 100A, service voltage to 120/240Vac.
- Wider enclosure offers ease of wiring and move heat dissipation .
- Flush and surface mounted designs.
- Knockouts for cable entry are provided on Top, Bottom of the Enclosure.

Connection Drawing:



Load Centers & Distribution Board

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MTLSWD Series Economic Load Centers



MTLSWD-4WAY



MTLSWD-6WAY



MTLSWD-8WAY



MTLSWD-12WAY

Application:

MTLSWD series are ECONOMY Load Centers which can substitute some of the MTLS series Load centers. They have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises

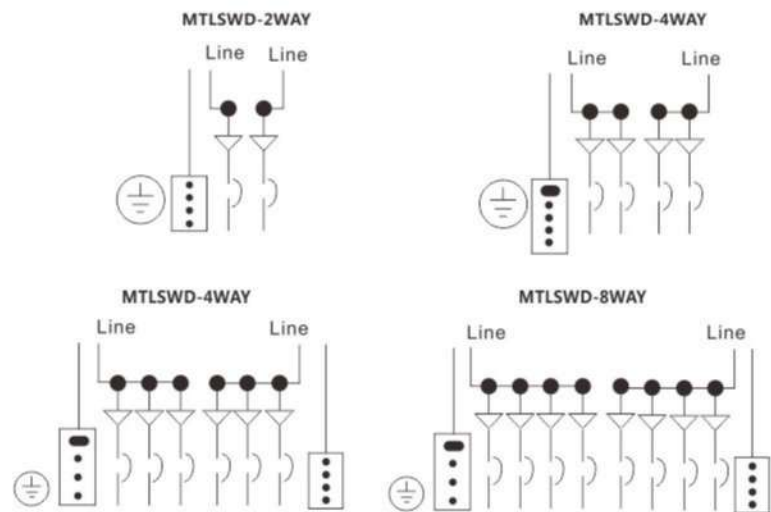
Specification:

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way
MTLSWD-4WAY	Flush/surface	40,100	120/240	4
MTLSWD-6WAY	Flush/surface	40,100	120/240	6
MTLSWD-8WAY	Flush/surface	40,100	120/240	8
MTLSWD-12WAY	Flush/surface	40,100	120/240	12

Features:

- Made out of high quality steel sheet of up to 0.8-1.2mm thickness.
- Matt-Finish polyester powder coated paint.
- Knockouts provided on all sides of the enclosure.
- Accept GE type 1"THQL breakers.
- Suitable for single-phase,three-wire, rated current to 100A, service voltage to 120/240Vac.
- Wider enclosure offers ease of wiring and move heat dissipation .
- Flush and surface mounted designs.
- Knockouts for cable entry are provided on Top, Bottom of the Enclosure.

Connection Drawing:



Load Centers & Distribution Board

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MTCH Series Economic Load Centers



MTCH-2WAY



MTCH-4WAY



MTCH-8WAY

Application:

MTLSWD series are ECONOMY Load Centers which can substitute some of the MTLS series Load centers. They have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises

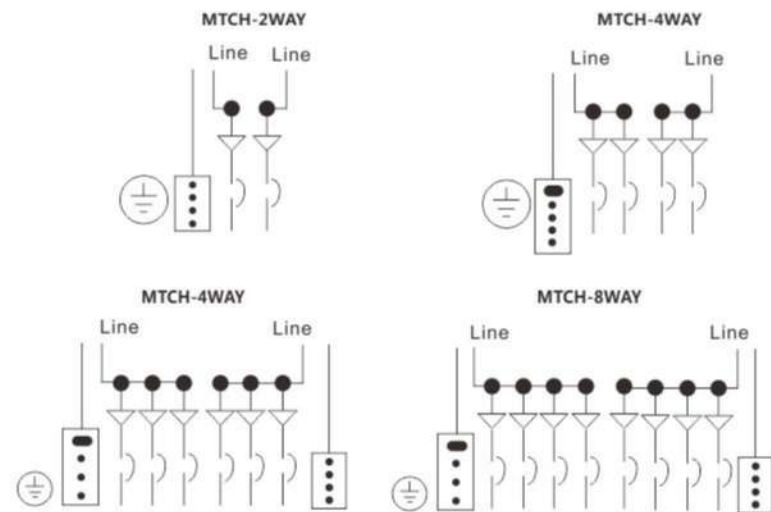
Specification:

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way
MTCH-2WAY	Flush/surface	40,100	120/240	4
MTCH-4WAY	Flush/surface	40,100	120/240	6
MTCH-6WAY	Flush/surface	40,100	120/240	8
MTCH-8WAY	Flush/surface	40,100	120/240	12

Features:

- Made out of high quality steel sheet of up to 0.8-1.2mm thickness.
- Matt-Finish polyester powder coated paint.
- Knockouts provided on all sides of the enclosure.
- Accept GE type 1"THQL breakers.
- Suitable for single-phase,three-wire, rated current to 100A, service voltage to 120/240Vac.
- Wider enclosure offers ease of wiring and move heat dissipation .
- Flush and surface mounted designs.
- Knockouts for cable entry are provided on Top, Bottom of the Enclosure.

Connection Drawing:



Load Centers & Distribution Board

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MTSD1 Series Load Centers

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Application:

MTD1 series Load Centers have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises. They are available in Plug-in designs for indoor applications.

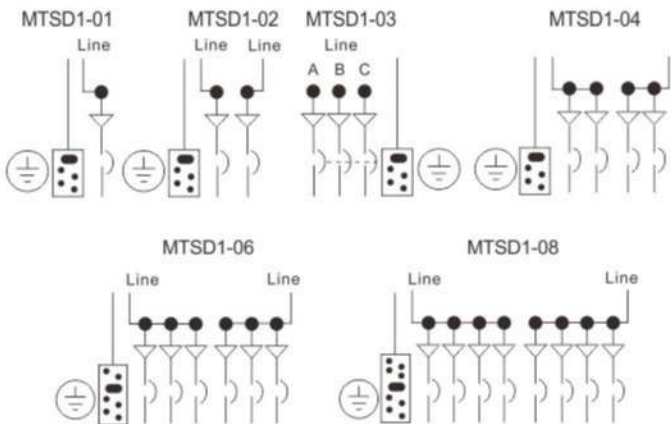
Features:

- Made out of high quality steel sheet of up to 0.8-1.2mm thickness.
- Matt-Finish polyester powder coated paint.
- Knockouts provided on all sides of the enclosure.
- Accept Square D type plug-in circuit breakere.
- Suitable for AC 60Hz, rated voltage to 240V, rated current to 100A.
- Wider enclosure offers ease or wiring and move heat dissipation .
- Flush and Surface mounted designs.
- Knockouts for cable entry are ovided on Top,Bottom of the Enclosure.

Specification:

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way	Rated phase
MTSD1-1-F	Flush	50	120	1	Single
MTSD1-1-S	surface	50	120	1	Single
MTSD1-2-F	Flush	50	120/240	2	Single
MTSD1-2-S	surface	50	120/240	2	Single
MTSD1-4-F	Flush	100	220/127	4	Single
MTSD1-4-S	surface	100	220/127	4	Single
MTSD1-6-F	Flush	60	120/240	6	Single
MTSD1-6-S	surface	60	120/240	6	Single
MTSD1-8-F	Flush	100	120/240	8	Single
MTSD1-8-S	surface	100	120/240	8	Single
MTSD1-12-F	Flush	100	120/240	12	Single
MTSD1-12-S	surface	100	120/240	12	Single

Connection Drawing:



MTSD1-1-S



MTSD1-2-S



MTSD1-4-S



MTSD1-6-S

Load Centers & Distribution Board

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MTSD2 Series Load Centers

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Application:

MTD2 series Load Centers have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises. They are available in Plug-in designs for indoor applications.

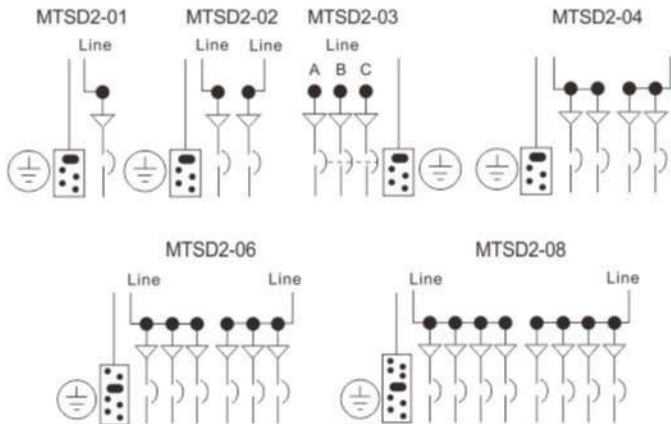
Features:

- Made out of high quality steel sheet of up to 0.8-1.2mm thickness.
- Matt-Finish polyester powder coated paint.
- Knockouts provided on all sides of the enclosure.
- Accept Square D type plug-in circuit breakere.
- Suitable for AC 60Hz, rated voltage to 240V, rated current to 100A.
- Wider enclosure offers ease or wiring and move heat dissipation .
- Flush and Surface mounted designs.
- Knockouts for cable entry are ovided on Top,Bottom of the Enclosure.

Specification:

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way	Rated phase
MTSD2-1-F	Flush	50	120	1	Single
MTSD2-1-S	Surface	50	120	1	Single
MTSD2-2-F	Flush	50	120/240	2	Single
MTSD2-2-S	Surface	50	120/240	2	Single
MTSD2-4-F	Flush	100	120/240	4	Single
MTSD2-4-S	Surface	100	120/240	4	Single
MTSD2-6-F	Flush	60	120/240	6	Single
MTSD2-6-S	Surface	60	120/240	6	Single
MTSD2-8-F	Flush	100	120/240	8	Single
MTSD2-8-S	Surface	100	120/240	8	Single

Connection Drawing:



MTSD2-2-F



MTSD2-4-F

Load Centers & Distribution Board

Quality is the kernel concept of enterprise, our company put such concept into each procedure in enterprise administration, execute it as promised.

MTD1 Series Distribution board

Application:

MTD1 series distribution board have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises. They are available in Plug-in designs for indoor applications.

Product Number Guide:

MTD1	S	4	S
Series			S= Surface F=Flush
Rated Phase		NO.of way	
S= Single Phase		4, 6...16	
T= Three Phses			

Two Phase Load Centers specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way
MTD1-S-4-F/S	Flush/surface	30-100	415/240/120	4
MTD1-S-6-F/S	Flush/surface	30-100	415/240/120	6
MTD1-S-8-F/S	Flush/surface	30-100	415/240/120	8
MTD1-S-12-F/S	Flush/surface	30-100	415/240/120	12

Three Phase Load Centers Specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way	
				1 pole	3 pole
MTD1-T-4-F/S	Flush/surface	30-100	415/240/120	12	4
MTD1-T-6-F/S	Flush/surface	30-100	415/240/120	18	6
MTD1-T-8-F/S	Flush/surface	30-100	415/240/120	24	8
MTD1-T-12-F/S	Flush/surface	30-100	415/240/120	36	12



MTD1-S-6-S



MTD1-T-4-S



MTD1-T-8-S

Load Centers & Distribution Board

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MTD2 Series Distribution board

Application:

MTD2 series distribution board have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises. They are available in Plug-in designs for indoor applications.

Product Number Guide:

MTD2	S	4	S
Series			S= Surface F=Flush
Rated Phase		NO.of way	
S= Single Phase		4, 6...16	
T= Three Phses			

Two Phase Load Centers specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way
MTD2-S-4-F/S	Flush/surface	30-100	415/240/120	4
MTD2-S-6-F/S	Flush/surface	30-100	415/240/120	6
MTD2-S-8-F/S	Flush/surface	30-100	415/240/120	8
MTD2-S-12-F/S	Flush/surface	30-100	415/240/120	12

Three Phase Load Centers Specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way	
				1 pole	3 pole
MTD2-T-4-F/S	Flush/surface	30-100	415/240/120	12	4
MTD2-T-6-F/S	Flush/surface	30-100	415/240/120	18	6
MTD2-T-8-F/S	Flush/surface	30-100	415/240/120	24	8
MTD2-T-12-F/S	Flush/surface	30-100	415/240/120	36	12



MTD2-S-4-S



MTD2-S-8-S



MTD2-T-4-S



MTD2-T-8-S

Load Centers & Distribution Board

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MTD3 Series Distribution board

Application:

MTD3 series distribution board have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises. They are available in Plug-in designs for indoor applications.

Product Number Guide:

MTD3	S	4	S
Series			S= Surface F=Flush
Rated Phase			
S= Single Phase			
T= Three Phses			
		NO.of way	
		4, 6...16	



MTD3-S-4-S

Two Phase Load Centers specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way
MTD3-S-4-F/S	Flush/surface	30-100	415/240/120	4
MTD3-S-6-F/S	Flush/surface	30-100	415/240/120	6
MTD3-S-8-F/S	Flush/surface	30-100	415/240/120	8
MTD3-S-12-F/S	Flush/surface	30-100	415/240/120	12

Three Phase Load Centers Specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way	
				1 pole	3 pole
MTD3-T-4-F/S	Flush/surface	30-100	415/240/120	12	4
MTD3-T-6-F/S	Flush/surface	30-100	415/240/120	18	6
MTD3-T-8-F/S	Flush/surface	30-100	415/240/120	24	8
MTD3-T-12-F/S	Flush/surface	30-100	415/240/120	36	12



MTD3-T-4-S

Load Centers & Distribution Board

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MTD4 Series Distribution board

MTD4 series distribution board have been designed for safe, reliable distribution and control of electrical power as service entrance equipment in residential, commercial and light industrial premises. They are available in Plug-in designs for indoor applications.

Product Number Guide:

MTD4	S	4	S
Series			S= Surface F=Flush
Rated Phase			
S= Single Phase			
T= Three Phses			
		NO.of way	
		4, 6...16	



MTD4-S-6-S



MTD4-T-4-S

Two Phase Load Centers specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way
MTD4-S-4-F/S	Flush/surface	30-100	415/240/120	4
MTD4-S-6-F/S	Flush/surface	30-100	415/240/120	6
MTD4-S-8-F/S	Flush/surface	30-100	415/240/120	8
MTD4-S-12-F/S	Flush/surface	30-100	415/240/120	12

Three Phase Load Centers Specifications

Product Number	Front Type	Main Ampere Rating	Rated voltage (v)	No. of way	
				1 pole	3 pole
MTD4-T-4-F/S	Flush/surface	30-100	415/240/120	12	4
MTD4-T-6-F/S	Flush/surface	30-100	415/240/120	18	6
MTD4-T-8-F/S	Flush/surface	30-100	415/240/120	24	8
MTD4-T-12-F/S	Flush/surface	30-100	415/240/120	36	12



MTD4-T-4-S

Safety Switches & Change Over Switch

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MTS1 Series Safety Switches

Safety Switches & Change Over Switch

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MTC1 Series Change Over Switch



MTS1-30T-I



MTS1-60T-I



MTS1-30T-O



MTS1-60T-O

Application

- Designed for residential or light commercial application where duty is not severe 60℃ and 75℃ conductor rating.
- Spring-reinforced fuse clips are suitable for class H,K or R fuses-assure reliable contact and cool operation.
- Direct-drive,quick-make,quick-break mechanism ensures long life and positive ON/OFF indication.
- Suitable for using as service entrance equipment when installed in accordance with nation electrical code.
- Removable interior and ample gutter space make installation and wiring quick and easy.
- Straight-through wiring and multiple knockouts speed installation.
- Padlocking device allows for added security.

Specification

Schematic Diagram	Product Number	Indoor Or Outdoor Front Type	Main Ampere Rating	Horsepower Ratings					
				240 Volts				DC	
				NEC Standard		Time Delay		125 Volts	250 Volts
				1-ph	3-ph	1-ph	3-ph		

Fusible

Two-pole, 120/240 and 240 volts ac;250 volts dc(30-100Amps only)

Three-wire SN,240 volts ac

	MTS1-30S-I	Indoor	30	1.5	3	3	7.5	2	5
	MTS1-60S-I	Indoor	60	3	7.5	10	15	3	10
	MTS1-30S-O	outdoor	30	1.5	3	3	7.5	2	5
	MTS1-60S-O	outdoor	60	3	7.5	10	15	3	10

Three-pole, 240 volts ac

	MTS1-30T-I	Indoor	30	1.5	3	3	7.5	-	5
	MTS1-60T-I	Indoor	60	3	7.5	10	15	3	10
	MTS1-30T-O	outdoor	30	1.5	3	3	7.5	-	5
	MTS1-60T-O	outdoor	60	3	7.5	10	15	3	10

Four-wire SN, 208/120 AND 240 volts ac

	MTS1-30T-I	Indoor	30	1.5	3	3	7.5	-	5
	MTS1-60T-I	Indoor	60	3	7.5	10	15	3	10
	MTS1-30T-O	outdoor	30	1.5	3	3	7.5	-	5
	MTS1-60T-O	outdoor	60	3	7.5	10	15	3	10

No Fuse

Two-pole, 240 volts ac(use three-pole switch for tow-pole application) : 250 volts dc (30-60 Amps only)Three-pole, 240 volts ac or two-pole with switching neutral

	MTS1-30T-I+N	Indoor	30	3	7.5	3	7.5	-	5
	MTS1-60T-I+N	Indoor	60	10	15	10	15	3	10
	MTS1-30T-O+N	outdoor	30	3	7.5	3	7.5	-	5
	MTS1-60T-O+N	outdoor	60	10	15	10	15	3	10

Fuses

Product Number	Description
MTF-30	30A
MTF-60	60A
MTF-100	100A



MTC1-63



MTC2-63

Application

- Designed for residential or light commercial application where duty is not severe 60℃ and 75℃ conductor rating.
- Spring-reinforced fuse clips are suitable for class H,K or R fuses-assure reliable contact and cool operation.
- Direct-drive,quick-make,quick-break mechanism ensures long life and positive ON/OFF indication.
- Suitable for using as service entrance equipment when installed in accordance with nation electrical code.
- Removable interior and ample gutter space make installation and wiring quick and easy.
- Straight-through wiring and multiple knockouts speed installation.
- Padlocking device allows for added security.

Product Number Guide

Series	MTC1	63	Current
			16,32,63,100,125,200

Specification

Product Number	Ampere Rating	AL,Condr (mm²)	CU,Condr (mm²)
MTC1-16	16	4	2.5
MTC1-32	32	16	10
MTC1-63	63	25	16
MTC1-100	100	50	35
MTC1-125	125	95	75
MTC1-200	200	185	150

Specification

Product Number	Ampere Rating	AL,Condr (mm²)	CU,Condr (mm²)
MTC2-16	16	4	2.5
MTC2-32	32	16	10
MTC2-63	63	25	16
MTC2-100	100	50	35
MTC2-125	125	95	75
MTC2-200	200	185	150

Circuit Breakers

Quality is the kernel concept of enterprise, our company put such concept into each procedure in enterprise administration, execute it as promised.



Circuit Breakers

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MHQL/MHQC Plug-in Circuit Breakers

MHQL Plug-in Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898, UL 489
- Degree of protection: IP20



Product Number	Rated voltage (Vac)	# of poles
MHQL1/2(10/15/20/30/40/50/60/75A)	120/240	1/2
MHQL1(10/15/20/30/40/50/60/75A)	120/240	1
MHQL2(10/15/20/30/40/50/60/75A)	120/240	2
MHQL3(10/15/20/30/40/50/60/75A)	120/240	3

MHQC Plug-in Type Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898, UL 489
- Degree of protection: IP20



Product Number	Rated voltage (Vac)	# of poles
MHQC1(10/15/20/30/40/50/60/75A)	120/240	1
MHQC2(10/15/20/30/40/50/60/75A)	120/240	2
MHQC3(10/15/20/30/40/50/60/75A)	120/240	3

Circuit Breakers

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MQC/MCH Plug-in Circuit Breakers

MQC Plug-in Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898
- Degree of protection: IP 20



Product Number	Rated voltage (Vac)	# of poles
MQC1(6/10/16/20/32/45/63A)	120/240	1
MQC2(6/10/16/20/32/45/63A)	120/240	2
MQC3(6/10/16/20/32/45/63A)	120/240	3

MCH Plug-in Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898
- Degree of protection: IP 20



Product Number	Rated voltage (Vac)	# of poles
MCH1(6/10/16/20/32/45/63A)	120/240	1
MCH2(6/10/16/20/32/45/63A)	120/240	2
MCH3(6/10/16/20/32/45/63A)	120/240	3

Circuit Breakers

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MSD/MME Plug-in Circuit Breakers

MSD Plug-in Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898
- Degree of protection: IP 20



Product Number	Rated voltage (Vac)	# of poles
MSD1(6/10/16/20/32/45/63A)	120/240	1
MSD2(6/10/16/20/32/45/63A)	120/240	2

MME Plug-in Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898
- Degree of protection: IP 20



Product Number	Rated voltage (Vac)	# of poles
MME1(6/10/16/20/32/45/63A)	120/240	1
MME2(6/10/16/20/32/45/63A)	120/240	2
MME3(6/10/16/20/32/45/63A)	120/240	3

Circuit Breakers

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MBHP/MBH Plug-in Circuit Breakers

MBHP Plug-in Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898
- Degree of protection: IP 20



Product Number	Rated voltage (Vac)	# of poles
MBHP1(6/10/16/20/32/45/63A)	120/240	1
MBHP2(6/10/16/20/32/45/63A)	120/240	2
MBHP3(6/10/16/20/32/45/63A)	120/240	3

MBH Plug-in Circuit Breakers

- For protection against overload and short circuits in the electrical distribution system
- Use in domestic, commercial and light industrial installations
- Conform to IEC 60898
- Degree of protection: IP 20



Product Number	Rated voltage (Vac)	# of poles
MBH1(6/10/16/20/32/45/63A)	120/240	1
MBH2(6/10/16/20/32/45/63A)	120/240	2
MBH3(6/10/16/20/32/45/63A)	120/240	3



Electrical Accessories

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Electrical Accessories

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Steel Switch Boxes

Meto Electrical >>

Steel Switch Boxes 1-3/4" Deep

Material: Hot galvanized sheet



Size: 4" H x 2-1/8"W x 1-3/4"D

Cat. No.	Knockout			Thickness
	Sides	Ends	Bottom	
58361-L-50-10	6-1/2"	2-1/2"	3-1/2"	1.0mm
58361-L-50-12	6-1/2"	2-1/2"	3-1/2"	1.2mm
58361-L-50-15	6-1/2"	2-1/2"	3-1/2"	1.5mm
58361-L-44-10	4-1/2" & 2-3/4"	2-3/4"	2-1/2" & 1-3/4"	1.0mm
58361-L-44-12	4-1/2" & 2-3/4"	2-3/4"	2-1/2" & 1-3/4"	1.2mm
58361-L-44-15	4-1/2" & 2-3/4"	2-3/4"	2-1/2" & 1-3/4"	1.5mm
58361-L-75-10	4-3/4"	2-3/4"	2-3/4"	1.0mm
58361-L-75-12	4-3/4"	2-3/4"	2-3/4"	1.2mm
58361-L-75-15	4-3/4"	2-3/4"	2-3/4"	1.5mm

Steel Switch Boxes 1-7/8" Deep

Material: Hot galvanized sheet



Size: 4" H x 2-1/4"W x 1-7/8"D

Cat. No.	Knockout			Thickness
	Sides	Ends	Bottom	
58361-50-10	6-1/2"	2-1/2"	3-1/2"	1.0mm
58361-50-12	6-1/2"	2-1/2"	3-1/2"	1.2mm
58361-50-15	6-1/2"	2-1/2"	3-1/2"	1.5mm
58361-75-10	4-3/4"	2-3/4"	2-3/4"	1.0mm
58361-75-12	4-3/4"	2-3/4"	2-3/4"	1.2mm
58361-75-15	4-3/4"	2-3/4"	2-3/4"	1.5mm
58361-44-10	4-1/2" & 2-3/4"	2-3/4"	2-1/2" & 1-3/4"	1.0mm
58361-44-12	4-1/2" & 2-3/4"	2-3/4"	2-1/2" & 1-3/4"	1.2mm
58361-44-15	4-1/2" & 2-3/4"	2-3/4"	2-1/2" & 1-3/4"	1.5mm
58361-50-10-G	6-1/2"	2-1/2"	2-1/2"+GRD	1.0mm
58361-50-12-G	6-1/2"	2-1/2"	2-1/2"+GRD	1.2mm
58361-50-15-G	6-1/2"	2-1/2"	2-1/2"+GRD	1.5mm

Steel Switch Boxes 2" Deep

Material: Hot galvanized sheet



Size: 3" H x 2"W x 2"D
10.5 Cu.In

Cat. No.	Knockout			Thickness
	Sides	Ends	Bottom	
Without earth screw 52191-50-15	4-1/2"	2-1/2"	1-1/2"	1.5mm
Without earth screw 52191-50-15G	4-1/2"	2-1/2"	1-1/2"	1.5mm

Electrical Accessories

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Steel Switch Boxes

Meto Electrical >>

4" Octagon Boxes 1-9/16" Deep

Material: Hot galvanized sheet



Size: 3-9/16" H x 3-9/16"W x 1-9/16"D

Cat. No.	Knockout		
	Sides	Bottom	Thickness
54151-50-10	4-1/2"	3-1/2"	1.0mm
54151-50-12	4-1/2"	3-1/2"	1.2mm
54151-50-15	4-1/2"	3-1/2"	1.5mm
54151-75-10	4-3/4"	3-1/2" & 2-3/4"	1.0mm
54151-75-12	4-3/4"	3-1/2" & 2-3/4"	1.2mm
54151-75-15	4-3/4"	3-1/2" & 2-3/4"	1.5mm
54151-22-10	2-1/2" & 2-3/4"	3-1/2" & 2-3/4"	1.0mm
54151-22-12	2-1/2" & 2-3/4"	3-1/2" & 2-3/4"	1.2mm
54151-22-15	2-1/2" & 2-3/4"	3-1/2" & 2-3/4"	1.5mm
54151-MX-10	4-1/2" & 3/4-C	5-1/2"	1.0mm
54151-MX-12	4-1/2" & 3/4-C	5-1/2"	1.2mm
54151-MX-15	4-1/2" & 3/4-C	5-1/2"	1.5mm
54151-50-10-G	4-1/2"	4-1/2"+GRD	1.0mm
54151-50-12-G	4-1/2"	4-1/2"+GRD	1.2mm
54151-50-15-G	4-1/2"	4-1/2"+GRD	1.5mm

4" Square Boxes 1-1/2" Deep

Material: Hot galvanized sheet



Size: 4" H x 4"W x 1-1/2"D
21.0 Cu.In

Cat. No.	Knockout		
	Sides	Bottom	Thickness
52151-50-10	12-1/2"	5-1/2"	1.0mm
52151-50-12	12-1/2"	5-1/2"	1.2mm
52151-50-15	12-1/2"	5-1/2"	1.5mm
52151-75-10	8-3/4"	3-1/2" & 2-3/4"	1.0mm
52151-75-12	8-3/4"	3-1/2" & 2-3/4"	1.2mm
52151-75-15	8-3/4"	3-1/2" & 2-3/4"	1.5mm
52151-84-10	8-1/2" & 4-3/4"	3-1/2" & 2-3/4"	1.0mm
52151-84-12	8-1/2" & 4-3/4"	3-1/2" & 2-3/4"	1.2mm
52151-84-15	8-1/2" & 4-3/4"	3-1/2" & 2-3/4"	1.5mm
52151-84-10-G	8-1/2" & 4-3/4"	2-1/2" & 2-3/4"+GRD	1.0mm
52151-84-12-G	8-1/2" & 4-3/4"	2-1/2" & 2-3/4"+GRD	1.2mm
52151-84-15-G	8-1/2" & 4-3/4"	2-1/2" & 2-3/4"+GRD	1.5mm

Electrical Accessories

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Entrance Caps/Terminal Block

Meto Electrical >>

Street Lighting Pole Fuse Box

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MVL/MVS/MT-FB Series

Meto Electrical >>



Entrance Caps -Die Cast Aluminun

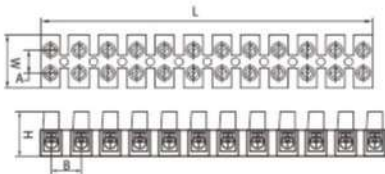
Cat#		Size	Cat#		Size
731	Clamp Type	1/2"	741	Threaded Type	1/2"
732	Clamp Type	3/4"	742	Threaded Type	3/4"
733	Clamp Type	1"	743	Threaded Type	1"
734	Clamp Type	1-1/4"	744	Threaded Type	1-1/4"
735	Clamp Type	1-1/2"	745	Threaded Type	1-1/2"
736	Clamp Type	2"	746	Threaded Type	2"
737	Clamp Type	2-1/2"	747	Threaded Type	2-1/2"
738	Clamp Type	3"	748	Threaded Type	3"
739	Clamp Type	3-1/2"	749	Threaded Type	3-1/2"
740	Clamp Type	4"	750	Threaded Type	4"



H Type Terminal Block

Terminal Blocks H, U(W) Type
Material: Made from PA, PE or PP

Model	Specification	Longth(mm)	Width(mm)	Height(mm)
H-3	3A-2.5/4mm ²	93	15.5	12
H-5	3A-6mm ²	107	15	13
H-6	6A-6mm ²	112	17	14
H-10	10A-10mm ²	125	21	16.5
H-15	15A-12mm ²	134	22	18
H-20	20A-14mm ²	143	22	19
H-30	30A-16mm ²	168	24	21
H-60	60A-25mm ²	193	31	24
H-80	80A-30mm ²	208	37	30
H-100	100A-35mm ²	230	38	33
H-150	150A-40mm ²	260	43	34



U Type Terminal Block

Model	Specification	Longth(mm)	Width(mm)	Height(mm)
U-3	3A-2.5/4mm ²	93	15.5	12
U-5	3A-6mm ²	107	15	13
U-6	6A-6mm ²	112	17	14
U-10	10A-10mm ²	125	21	16.5
U-15	15A-12mm ²	134	22	18
U-20	20A-14mm ²	143	22	19
U-30	30A-16mm ²	168	24	21
U-60	60A-25mm ²	193	31	24
U-80	80A-30mm ²	208	37	30
U-100	100A-35mm ²	230	38	33
U-150	150A-40mm ²	260	43	34



MVL 435 MVS 435

Material:

Plastic:PA,NYLON 66, or PP
Fire-resistance,level:94V-2
Working temperature: -30°C~110°C
Conduct is Copper,screw is copper with nickel plated
Spring is made from stainless steel

Specification:

Product Number	No. of Fuse	Main Ampere Rating	Rated voltage (v)
MVL 435-1	1 Fuse	25A	500V
MVL 435-2	2 Fuse	25A	500V
MVS 435-1	1 Fuse	25A	500V
MVS 435-2	2 Fuse	25A	500V
MVS 435-3	3 Fuse	25A	500V
MVS 435-4	4 Fuse	25A	500V



MT-FB-1 MT-FB-2

Material:

Box is made of galvanized steel sheet, electrostatically applied epoxy baked gray powder finished.
PG11/PG13/PG29 cable gland for option.
Working temperature: -30°C~110°C
Copper conduct, Copper screw is copper with nickel plated

Specification:

Product Number	No. of Breaker	Main Ampere Rating	Rated voltage (v)
MT-FB-1	1	63A	220/380V
MT-FB-2	2	63A	220/380V
MT-FB-3	3	63A	220/380V
MT-FB-4	4	63A	220/380V
MT-FB-5	5	63A	220/380V

Index



Fuse Cutout

- MTFP1/MTFC1 Series Fuse Cutout
- MTFP2/MTFC2 Series Fuse Cutout
- MTFP3/MTFC3 Series Fuse Cutout
- MTFP4 Series Fuse Cutout
- MTFP5 Series Fuse Cutout
- Accessory



Polymer Insulator

- Polymer Suspension Line Insulator
- Polymer Pin Line Post Insulator
- Polymer Horizontal Line Post Insulator
- Polymer Station Post Insulator



Lightning Arrester

- 5KA Gapless Arrester Electrical Parameter
- 10KA Gapless Arrester Electrical Parameter
- Arrester Disconnecter
- Lightning Arrester Mounting Bracket



Isolating Switch

- MTDC1 Series Isolating Switch
- MTDPI Series Isolating Switch
- MTDPI Series Isolating Switch
- MTDPI Series Isolating Switch



Cable strain Clamp

- ANSI Tension clamp
- Cable Strain Clamp
- Anchoring Bracket
- Anchoring Clamp



Insulation Piercing Clamp And Connector

- Insulation Piercing Clamp
- Insulated Piercing Connector



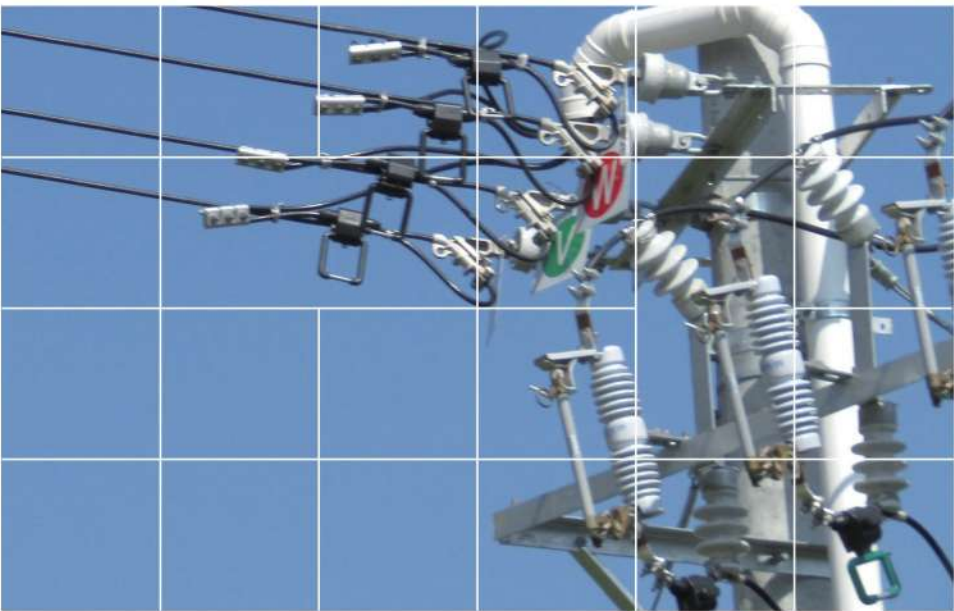
Main principle

Fuse Cutout and tension load Fuse Cutout are outdoor high voltage protection facilities. The fuse is intalled at high voltage side of transformer or branch line of distribution line to protect transformer or transmission line from short circuit and overload, to break and connect load current. Fuse Cutout is consist of insulation bracket and fuse tube, fixed contact is installed at both ends of insulation bracket, moving contact is installed at both ends of fuse tube. Fuse tube is consist of two parts. Arcing extinguish tube in inner side and epoxy glass tube outside. Tension load Fuse Cutout increase the flexible auxiliary contact and arcing-extinguish shield to break or connect load current.

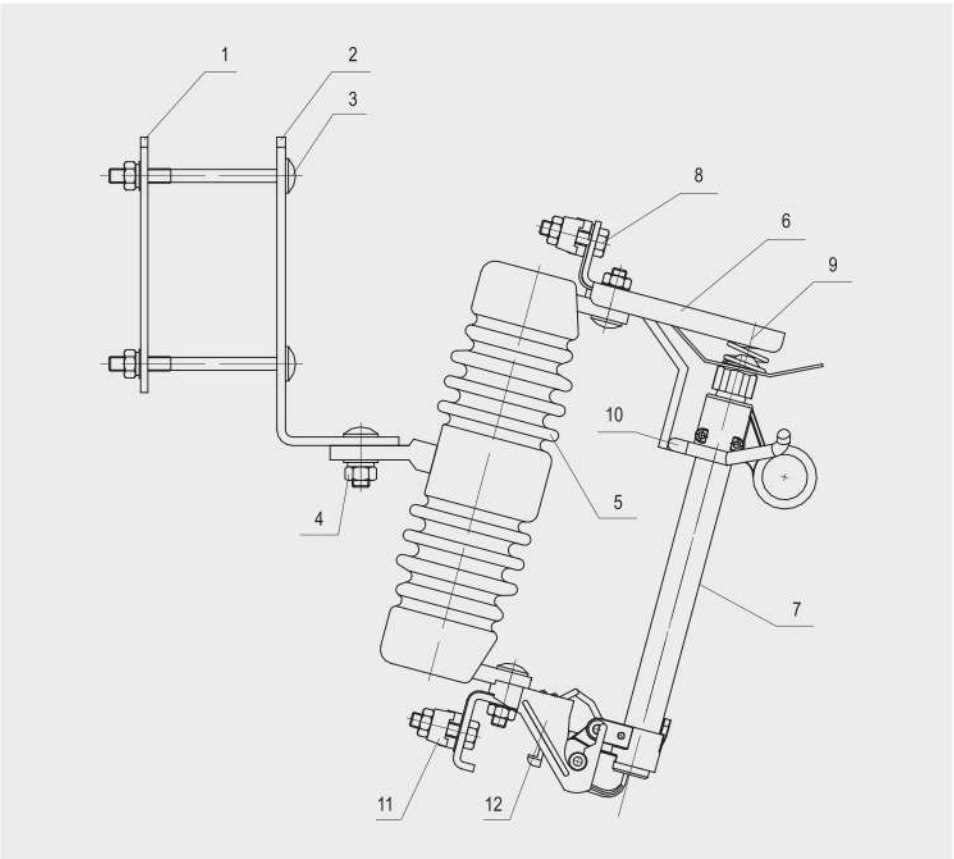
The Expulsion Fuse Cutout is a low cost line protection, primarily used on remote overhead electrical transmission lines. The visual display of the status of the Fuse Cutout quickly and accurately helps field inspectors to locate the faulty segment of the overhead transmission line. Upon clearing of the line fault and replacing the fuse link, each of the phases can then be individually switched back into operation using operating poles, which are available in desired lengths.

Product model description

MT	FP	1 - 15 / 100		
1	2	3	4	5
1	Factory code			
2	FP-Porcelain insulation; FC-Polymer insulation			
3	Series No. of products			
4	Rated voltage			
5	Rated current			



Main principle



- 1. Back rod
- 2. Installation Bracket
- 3. Squar bolts M10*130
- 4. Squar bolts M12*40
- 5. Birdproof-design insulator
Higher insulation characteristics than ANSI distribution-cutout standards
- 6. One-piece channel
Heavy galvanized steel (which is also used for inserts, hangers, and structural bolts and nuts)
- 7. Fuse tube
Features MultiWind™ - liner that's virtually impervious to water ingress. Special UV resistant finish as-sureslonglife.
- 8. Input Parallel-groove connector
Tinplated cast red brass. For ease of conductor connection, accommodates two conductors of unlike size in a single connector. Other styles of connectors are also available.
- 9. Upper contacts
Silver-to silver; stainless-steel spring provides high contact pressure.
- 10. Rugged attachment hooks
For Loadbuster guide tube during cloing
- 11. Output Parallel-groove connector
Tinplated cast red brass. For ease of conductor connection, accommodates two conductors of unlike size in a single connector. Other styles of connectors are also available.
- 12. Toggle joint
Assures reliable dropout after operation

Fuse Cutout
MTFP1/MTFC1 Series Fuse Cutout

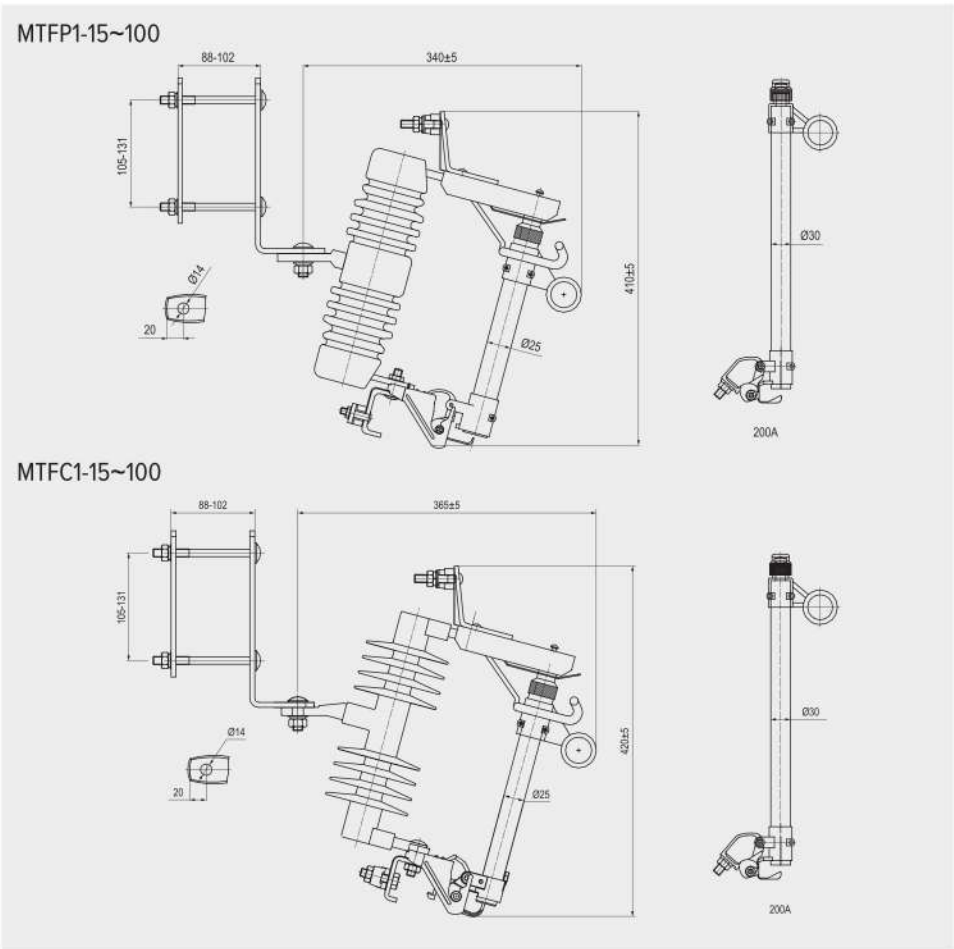


Main principle

Drop-out Fuse Cutout and load switching Fuse Cutout are of outdoor used high voltage protective device, tube connected with incoming feeder of distribution transformer or distribution lines, it mainly protect transformer or lines from short circuit and overload, and on/off loading, current. Drop-out Fuse Cutout is composed of insulate insulator supports and fuse tube, static contacts is fixed on two sides of insulator support and moving contact is installed on two ends of fuse tube, fuse tube is composed of inside arc-extinguishing tube. Outer phenolic compound paper tube or epoxy glass tube, load switching Fuse Cutout provides enforced elastic auxiliry contacts and arc-extinguishing exclosure switching on-off loading current.

Technical Specification

Model	Rated Voltage (kV)	Rated Current (A)	Breaking Current (kA)	Impulse Voltage (kV)	Power Frequency Withstand Voltage (kV)	Creepage Distance (mm)
MTFP1-15/100(200)	12-15	100(200)	6(8)	110	42	220
MTFP1-24/100(200)	15-24	100(200)	8(10)	125	55	330
MTFP1-27/100(200)	24-27	100(200)	10(12)	150	65	540
MTFP1-36/100(200)	33-36	100(200)	10(12)	170	75	660
MTFC1-15/100(200)	12-15	100(200)	6(8)	110	42	220
MTFC1-24/100(200)	15-24	100(200)	8(10)	125	55	330
MTFC1-27/100(200)	24-27	100(200)	10(12)	150	65	540
MTFC1-36/100(200)	33-36	100(200)	10(12)	170	75	660



Fuse Cutout
MTFP2/MTFC2 Series Fuse Cutout

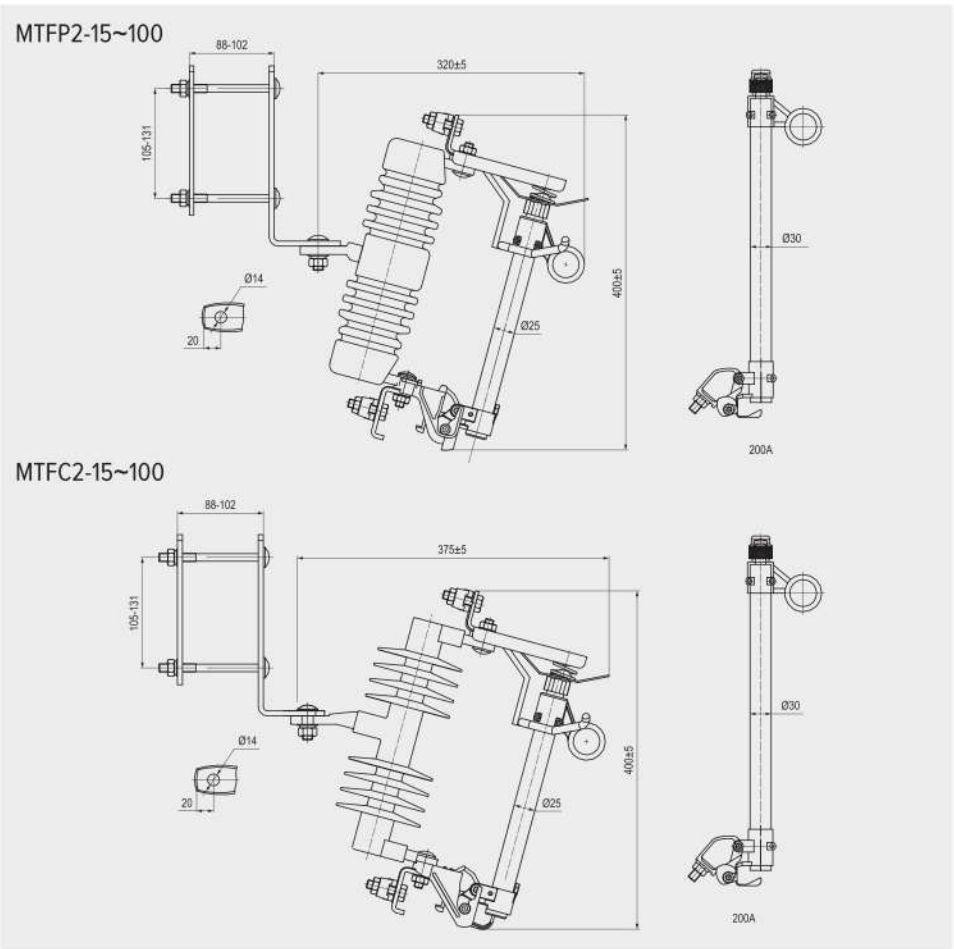


Main principle

Drop-out Fuse Cutout and load switching Fuse Cutout are of outdoor used high voltage protective device, tube connected with incoming feeder of distribution transformer or distribution lines, it mainly protect transformer or lines from short circuit and overload, and on/off loading, current. Drop-out Fuse Cutout is composed of insulate insulator supports and fuse tube, static contacts is fixed on two sides of insulator support and moving contact is installed on two ends of fuse tube, fuse tube is composed of inside arc-extinguishing tube. Outer phenolic compound paper tube or epoxy glass tube, load switching Fuse Cutout provides enforced elastic auxiliry contacts and arc-extinguishing exclosure switching on-off loading current.

Technical Specification

Model	Rated Voltage (kV)	Rated Current (A)	Breaking Current (kA)	Impulse Voltage (kV)	Power Frequency Withstand Voltage (kV)	Creepage Distance (mm)
MTFP2-15/100(200)	12-15	100(200)	6(8)	110	42	220
MTFP2-24/100(200)	15-24	100(200)	8(10)	125	55	330
MTFP2-27/100(200)	24-27	100(200)	10(12)	150	65	540
MTFP2-36/100(200)	33-36	100(200)	10(12)	170	75	660
MTFC2-15/100(200)	12-15	100(200)	6(8)	110	42	220
MTFC2-24/100(200)	15-24	100(200)	8(10)	125	55	330
MTFC2-27/100(200)	24-27	100(200)	10(12)	150	65	540
MTFC2-36/100(200)	33-36	100(200)	10(12)	170	75	660



Fuse Cutout
MTFP3/MTFC3 Series Fuse Cutout



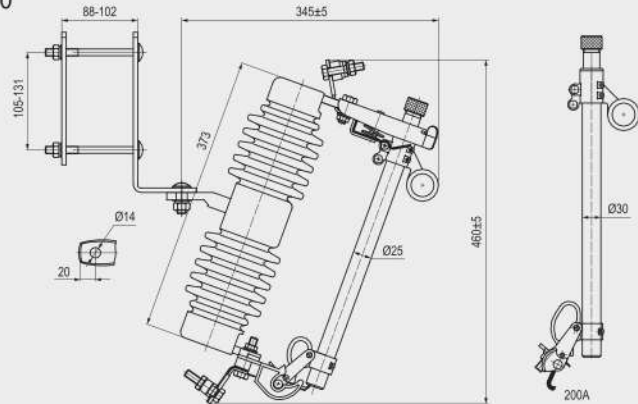
Main principle

Drop-out Fuse Cutout and load switching Fuse Cutout are of outdoor used high voltage protective device, tube connected with incoming feeder of distribution transformer or distribution lines, it mainly protect transformer or lines from short circuit and overload, and on/off loading, current. Drop-out Fuse Cutout is composed of insulate insulator supports and fuse tube, static contacts is fixed on two sides of insulator support and moving contact is installed on two ends of fuse tube, fuse tube is composed of inside arc-extinguishing tube. Outer phenolic compound paper tube or epoxy glass tube, load switching Fuse Cutout provides enforced elastic auxiliry contacts and arc-extinguishing exclosure switching on-off loading current.

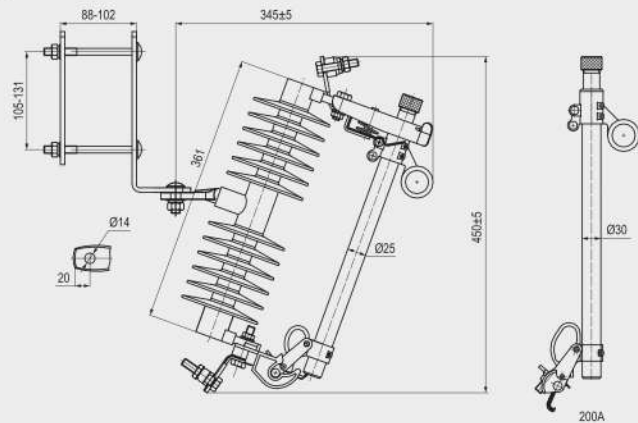
Technical Specification

Model	Rated Voltage (kV)	Rated Current (A)	Breaking Current (kA)	Impulse Voltage (kV)	Power Frequency Withstand Voltage (kV)	Creepage Distance (mm)
MTFP3-15/100(200)	12-15	100(200)	6(8)	110	42	220
MTFP3-24/100(200)	15-24	100(200)	8(10)	125	55	330
MTFP3-27/100(200)	24-27	100(200)	10(12)	150	65	540
MTFP3-36/100(200)	33-36	100(200)	10(12)	170	75	660
MTFC3-15/100(200)	12-15	100(200)	6(8)	110	42	220
MTFC3-24/100(200)	15-24	100(200)	8(10)	125	55	330
MTFC3-27/100(200)	24-27	100(200)	10(12)	150	65	540
MTFC3-36/100(200)	33-36	100(200)	10(12)	170	75	660

MTFP3-15~100



MTFC3-15~100



Fuse Cutout
MTFP4 Series Fuse Cutout

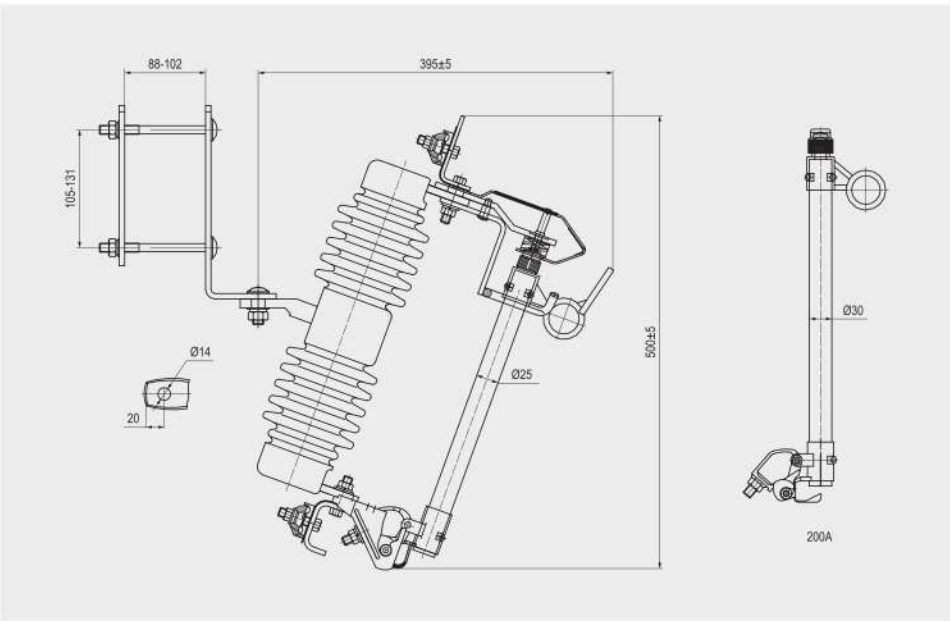


Main principle

Drop-out Fuse Cutout and load switching Fuse Cutout are of outdoor used high voltage protective device, tube connected with incoming feeder of distribution transformer or distribution lines, it mainly protect transformer or lines from short circuit and overload, and on/off loading, current. Drop-out Fuse Cutout is composed of insulate insulator supports and fuse tube, static contacts is fixed on two sides of insulator support and moving contact is installed on two ends of fuse tube, fuse tube is composed of inside arc-extinguishing tube. Outer phenolic compound paper tube or epoxy glass tube, load switching Fuse Cutout provides enforced elastic auxiliry contacts and arc-extinguishing exclosure switching on-off loading current.

Technical Specification

Model	Rated Voltage (kV)	Rated Current (A)	Breaking Current (kA)	Impulse Voltage (kV)	Power Frequency Withstand Voltage (kV)	Creepage Distance (mm)
MTFP4-15/100(200)	12-15	100(200)	6(8)	110	42	220
MTFP4-24/100(200)	15-24	100(200)	8(10)	125	55	330
MTFP4-27/100(200)	24-27	100(200)	10(12)	150	65	540
MTFP4-36/100(200)	33-36	100(200)	10(12)	170	75	660



MTFP5 Series Fuse Cutout

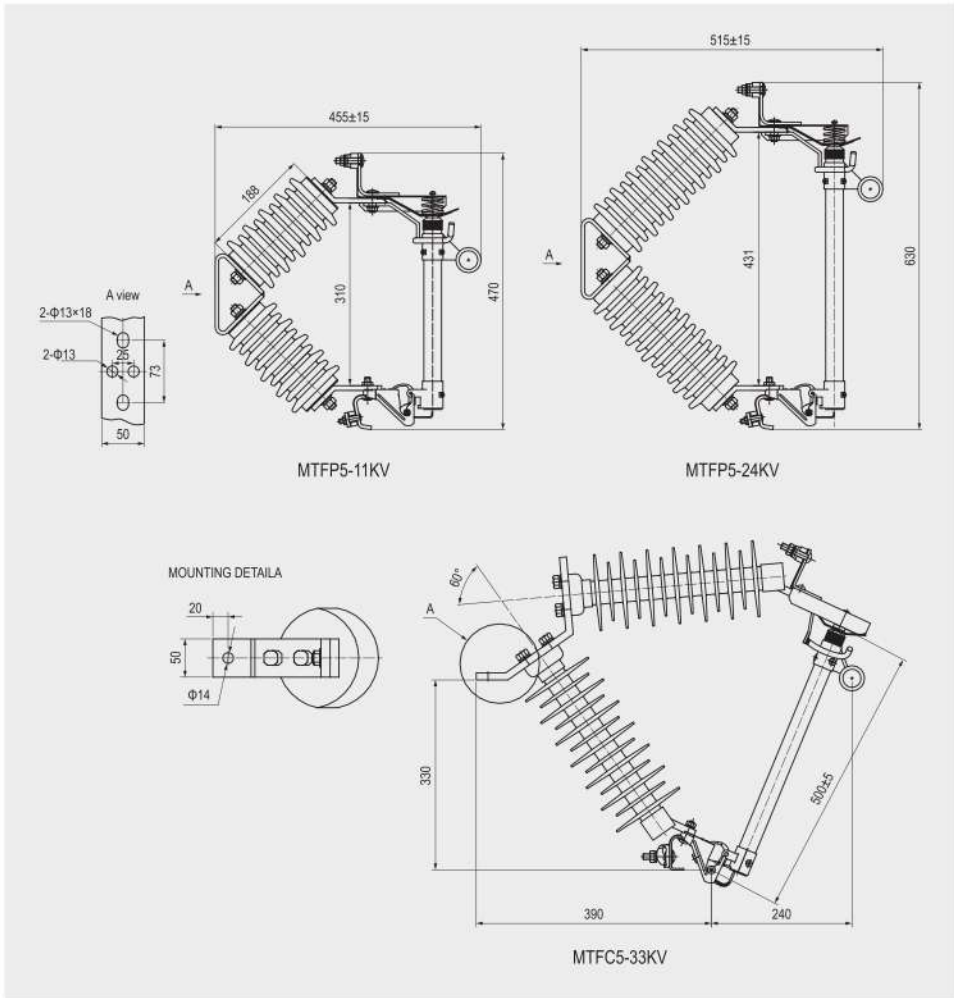


Main principle

Drop-out Fuse Cutout and load switching Fuse Cutout are of outdoor used high voltage protective device, tube connected with incoming feeder of distribution transformer or distribution lines, it mainly protect transformer or lines from short circuit and overload, and on/off loading, current. Drop-out Fuse Cutout is composed of insulate insulator supports and fuse tube, static contacts is fixed on two sides of insulator support and moving contact is installed on two ends of fuse tube, fuse tube is composed of inside arc-extinguishing tube. Outer phenolic compound paper tube or epoxy glass tube, load switching Fuse Cutout provides enforced elastic auxiliry contacts and arc-extinguishing enclosure switching on-off loading current.

Technical Specification

Model	Rated Voltage (kV)	Rated Current (A)	Breaking Current (kA)	Impulse Voltage (kV)	Power Frequency Withstand Voltage (kV)	Creepage Distance (mm)
MTFP5-15/100	15	100	8	125	60	390
MTFP5-15/200	15	200	10	125	60	390
MTFP5-24/100	24	100	8	150	75	690
MTFP5-24/200	24	200	10	150	75	690
MTFC5-36/100	36	100	8	185	95	1130
MTFC5-36/200	36	200	10	185	95	1130



Accessory



Porcelain Insulation Series

12kV-15kV Leakage Distance 230mm	15kV-24kV Leakage Distance 330mm	24kV-27kV Leakage Distance 540mm
33kV-36kV Leakage Distance 660mm	33kV-36kV Leakage Distance 720mm	33kV-36kV Leakage Distance 900mm

Silicone Insulation Series

12kV-15kV Leakage Distance 360mm	12kV-15kV Leakage Distance 400mm	24kV-27kV Leakage Distance 600mm
33kV-36kV Leakage Distance 900mm	33kV-36kV Leakage Distance 1080mm	33kV-36kV Leakage Distance 1300mm



Fuse Tube Series

100A	100A	200A	200A



Conductive Copper Accessory Series

MP1	MP2
MP3	MP4
85x74.5x63	104x48x52

Polymer Insulator



Product Description

Main principle

With advanced producing equipments and methods, inspection means as well, our composite Insulator reach up to the domestic and international standard, becoming the important and necessary insulator products in the high-voltage distribution line.

Product model description

MT SI - 15 / 70 - TC - W
1 2 3 4 5

MT	1	2	3	4	5
No. of factory	Insulator Type	Voltage Class (kV)	Mechanical load	Top	Bottom
METO	SI- Polymer suspension line Insulator	12	50kN	T-Tongue	T-Tongue
		15	70kN	C-Clevis	C-Clevis
		18	100kN	B-Ball	S-Socket
		20	120kN	E-Oval eye	Y-Y Clevis
		24	160kN		E-Oval eye
	LPI- Polymer Pin line post Insulator	25	210kN		
		33	4 kN	A- Alternate top type	K(+K1, K2)- Reference dwg
		36	5kN	T- Tie top type	P- Reference dwg
		42	6kN	C- Reference dwg	
		45	8kN	F- Reference dwg	
	HI- Polymer horizontal line post Insulator	69	10kN		
		115	12kN		
		135	6kN	HC- Reference dwg	GB- Reference dwg
		138	8kN	X- Reference dwg	
			10kN	C- Reference dwg	U- Reference dwg
	SPI- Polymer station post Insulator		11kN	B- Reference dwg	M- Reference dwg
			22kN		R- Reference dwg
			4kN	S- Semicircular type	S- Semicircular type
			5kN	F- Flange type	F- Flange type
			6kN	P- Plum type	P- Plum type
			8kN		
			10kN		



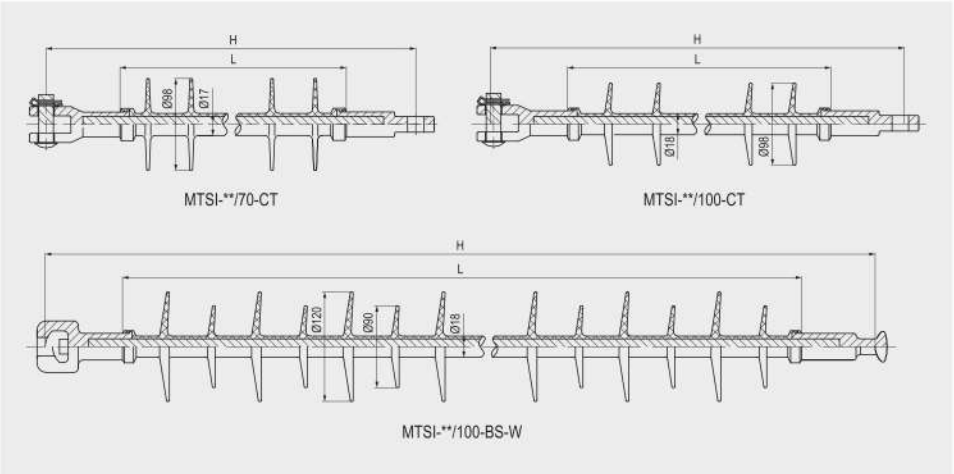
Polymer Suspension Line Insulator

Product structure

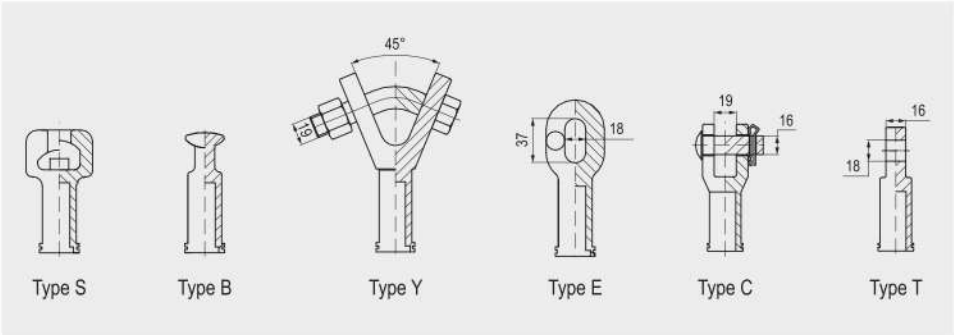
The series products are composed of glass fiber epoxide resin core rod, silastic shed and metal fittings. The silastic shed adopt the whole packing pressure technique, and then to solve the key problem--interface electric spark puncture, which would affect the reliability of composite insulator, connection of the glass fiber rod and metal small volume, light weight, and the fittings, high intension, beautiful outline, metal fitting of galvanization can corrosion prevention and exchange used with porcelain insulator, this product is reliable structure, cannot damage the core rod, and take full advantage of the mechanical strength.

Main Technical Parameters

Product Model	Rated voltage (kV)	Rated mechanical Load (kN)	Structure height H (mm)	Insulating distance L (mm)	Min Creepage distance (mm)	Lightning impulse withstand voltage(peak) (kV)	P.Fwet withslend voltage (virtual value)	Weight (kg)
MTSI-15/70-**	15	70	355	175	445	105	45	1.5
MTSI-15/100-**	15	100	395	175	445	105	45	1.6
MTSI-24/70-**	24	70	445	265	675	125	65	1.8
MTSI-24/100-**	24	100	485	265	675	125	65	1.9
MTSI-33/70-**	33	70	505	325	1025	230	95	2.1
MTSI-33/100-**	33	100	545	325	1025	230	95	2.2
MTSI-35/70-**	35	70	550	370	1100	230	95	2.3
MTSI-35/100-**	35	100	590	370	1100	230	95	2.4
MTSI-36/70-**	36	70	595	415	1200	230	95	2.5
MTSI-36/100-**	36	100	635	415	1200	230	95	2.6
MTSI-45/70-**	45	70	640	460	1395	330	155	2.8
MTSI-45/100-**	45	100	680	460	1395	330	155	2.9
MTSI-66/70-**	66	70	880	710	2250	410	185	3.3
MTSI-66/100-**	66	100	920	710	2250	410	185	3.4
MTSI-110/70-**	110	70	1220	1010	3150	550	230	5.4
MTSI-110/100-**	110	100	1260	1010	3150	550	230	5.5
MTSI-132/70-**	132	70	1380	1160	3850	650	275	5.7
MTSI-132/100-**	132	100	1420	1160	3850	650	275	5.8
MTSI-220/70-**	220	70	2240	1990	6300	1000	395	11.2
MTSI-220/100-**	220	100	2280	1990	6300	1000	395	11.3



Fitting accessories of suspension insulator



Fittings	Fitting Designation	Dimensions mm											
		70-100kN				120-160kN				210kN			
		A	B	C	D	A	B	C	D	A	B	C	D
TONGUE	T	17	20	17.5	-	16	27	24	-	22	26	24	-
CLEVIS	C	18	8	34.8	17.5	23	11.5	38.0	20.0	26	15	43.0	22.0
Y-CLEVIS	Y	40	19	-	-	40	19	-	-	40	19	-	-
OVAL EYE	E	44	20	31	14	62	26	52	18	70	26	52	22
SOCKET	S	Size 16				Size 16- Size 20				Size 20			
BALL	B	Size 16				Size 16- Size 20				Size 20			

Note: Material: Galvanized Steel Class: ANSI/IEC

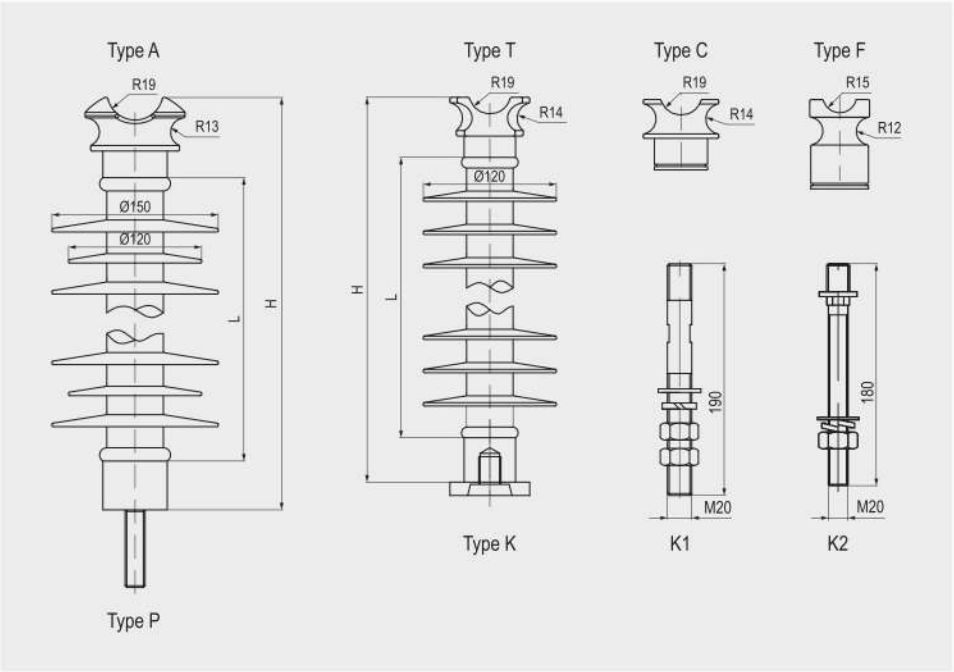


Product structure

This product is applied to high voltage power line service. And have features of good hydrophobicity, anti-ageing, anti-leakage trace and electric erode proof, tensile strength and bending strength, strong mechanical strength, shock resistance good quakeproof and brittle failure proof, light weight, easy to installation, and the installation size of top and base are the same size with porcelain pin type, they can exchange to use each other.

Main Technical Parameters

Product Model	Rated voltage (kV)	Rated mechanical Load (kN)	Structure height H (mm)	Insulating distance L (mm)	Min Creepage distance (mm)	Lightning impulse withstand voltage(peak) (kV)	P.Fwet withslend voltage (virtual value)	Weight (kg)
MTLP11-10/4	10	4	215	125	280	75	42	2.6
MTLP11-10/5	10	5	250	125	372	75	42	2.8
MTLP11-15/4	15	4	255	165	445	105	45	3.2
MTLP11-15/5	15	5	255	165	445	105	45	3.4
MTLP11-24/6	24	6	305	255	715	150	75	4.1
MTLP11-36/8	36	8	440	360	1100	185	95	4.8
MTLP11-52/12	52	12	480	415	1255	220	110	6.8



Product structure

These products for the urban net rebuild can effectively solve the shortage of corridor in urban power line, reduce the pole height and economy lots of financial and material resources. Because of the high strength, to avoid the porcelain cross-arm cannot instead of it.

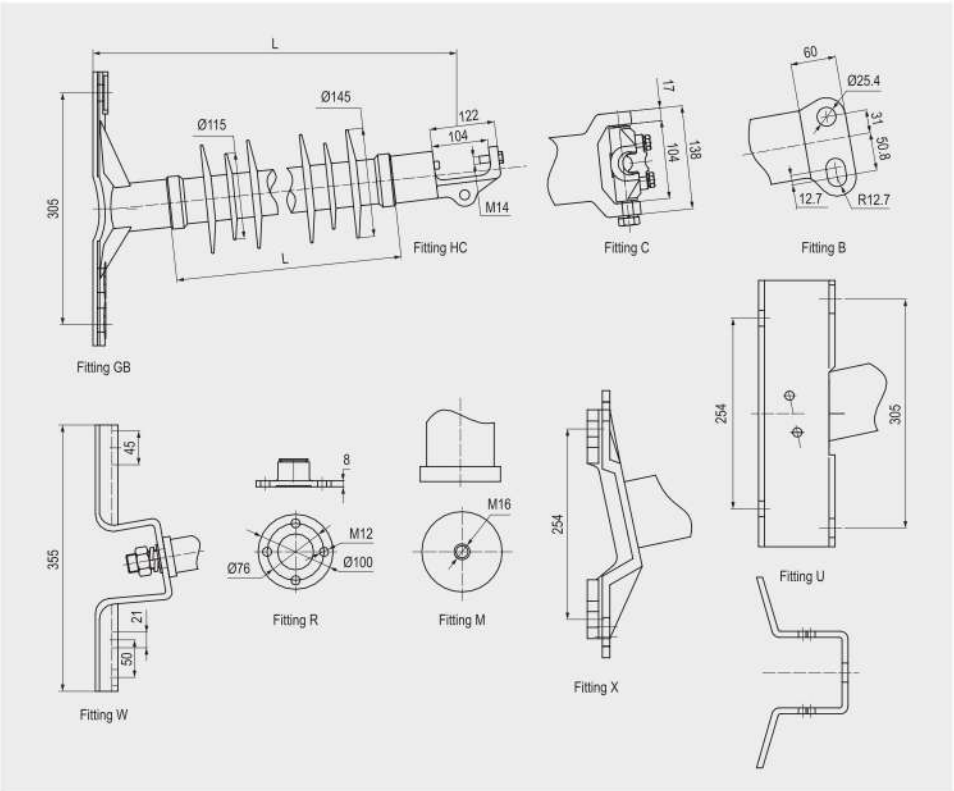
Main Technical Parameters

Selection Guide (Line Voltage) kV	Catalogue Code(★)	Specified Cantilever Load kN	N°of Sheds A n°(1)	Length L±5 mm	Leakage distance mm	Dry arc distance mm	Power frequency withstand 50Hz		Lightning impul. withstand 1,2/50		Weight kg
							Dry kV	Wet kV	posit kV	negat. kV	
12	MTHI-*	10.0	2+1	365	390	165	70	65	115	160	6,5
17	MTHI-*	8.4	3+2	420	585	225	110	100	150	190	7,0
24	MTHI-*	7.2	4+3	480	780	285	120	110	180	215	7,5
36	MTHI-*	6.3	5+4	540	975	340	150	140	235	270	8,0
45	MTHI-*	5.5	6+5	600	1170	400	170	155	270	300	8,5
52	MTHI-*	5.0	7+6	660	1365	460	180	165	285	325	9,0
	MTHI-*	4.5	8+7	715	1560	520	200	185	305	355	9,5
	MTHI-*	4.2	9+8	775	1755	575	225	210	345	405	10,0

Selection Guide (Line Voltage) kV	Catalogue Code(★)	Specified Cantilever Load kN	N°of Sheds A n°(1)	Length L±5 mm	Leakage distance mm	Dry arc distance mm	Power frequency withstand 50Hz		Lightning impul. withstand 1,2/50		Weight kg
							Dry kV	Wet kV	posit kV	negat. kV	
72	MTHI-*	3,9	10+9	840	1950	635	270	225	450	490	10,5
	MTHI-*	3,3	12+11	955	2340	755	310	245	515	550	11,5
	MTHI-*	3,0	14+13	1070	2730	870	355	285	570	615	12,5
115	MTHI-*	2,7	16+15	1185	3120	985	400	320	625	670	13,5
	MTHI-*	2,4	18+17	1300	3510	1105	435	355	680	735	14,5
	MTHI-*	2,2	20+19	1415	3900	1220	475	390	750	805	15,5
	MTHI-*	2,0	22+21	1525	4290	1335	520	430	820	890	16,5
	MTHI-*	1,8	24+23	1640	4680	1455	560	475	870	940	17,5

Dimensions tolerance acc, to IEC61952

Composite Horizontal Line Post Insulator in Silicone Rubber Type MTHI-*



NOTE: Once chosen the insulator that is the most suitable to the characteristics of the line on which you have to install it, in order to obtain the total length of the insulator(L), please select the kind of fitting end you have to use and refer to the following table. These Insulator are produced and tested according to IEC61952. It's possible to have all the other combinations.

Ground fitting	Line fitting	Code(2)	Length change (L)
Fitting GB	Fitting HC	HCGB	0
Fitting M	Fitting HC	HCM	+36
Fitting R	Fitting HC	HCR	-78
Fitting X	Fitting HC	HCX	+15
Fitting U	Fitting HC	HCU	+30
Fitting W	Fitting HC	HCW	+30
Fitting GB	Fitting B	BGB	+9
Fitting M	Fitting B	BM	+44
Fitting R	Fitting B	BR	-69
Fitting GB	Fitting C	CGB	-40
Fitting M	Fitting C	CM	-150
Fitting R	Fitting C	CR	-105

Specified Cantilever Load	SML-IEC61952
Max.Design Cantilever Load	MDCL=65%of SCL
Specified Tensile Load(STL)	15kN
Max. design compression	15kN
Max. torsion Load	15daN.m

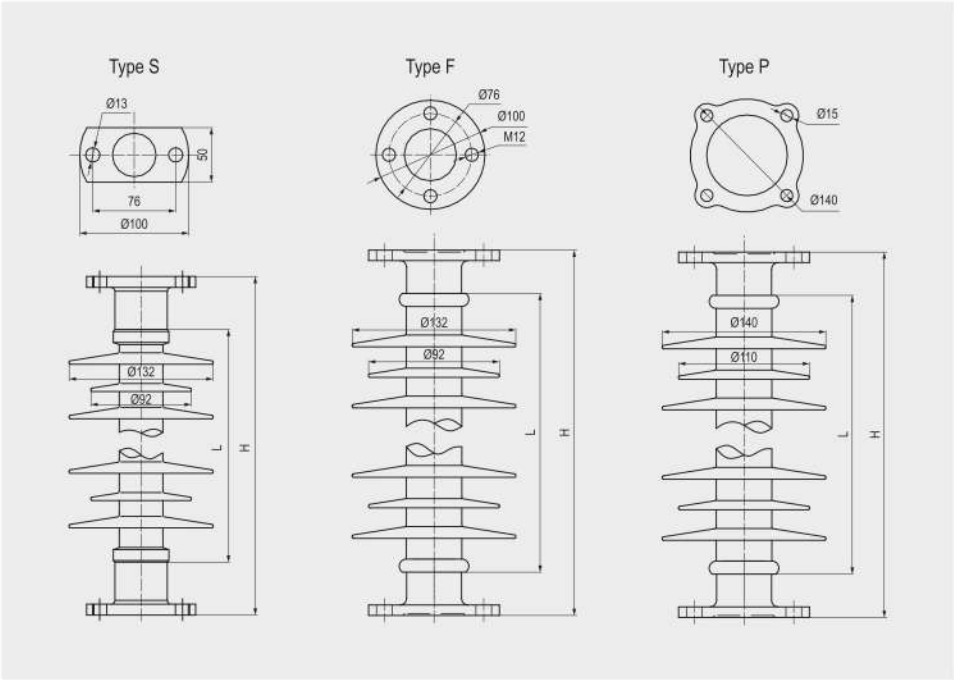
The SCL can be increased, please contact us. The metal fittings can be in aluminium or galvanized steel.

Product structure

This product is applied to high voltage power line service. And have features of good hydrophobicity, anti-ageing, anti-leakage trace and electric erode proof, tensile strength and bending strength, strong mechanical strength, shock resistance good quakeproof and brittle failure proof, light weight, easy to installation, and the installation size of top and base are the same size with porcelain pin type, they can exchange to use each other.

Main Technical Parameters

Product Model	Rated voltage (kV)	Rated mechanical Load (kN)	Structure height H (mm)	Insulating distance L (mm)	Min Creepage distance (mm)	Diameter of shed D. (mm)	Lightning impulse withstand voltage (peak) (kV)	P.Fwet withslend voltage (virtual value)
MTSPI-10/4	10	4	215	125	290	132/92	75	42
MTSPI-24/8	24	8	300	220	750	132/92	150	65
MTSPI-35/6	35	6	450	360	950	140/110	185	95
MTSPI-66/6	66	6	760	630	1900	160/130	410	185
MTSPI-66/8	66	8	760	630	2010	220/190	410	185
MTSPI-110/10	110	10	1220	1080	3550	220/190	500	230
MTSPI-220/10	220	10	2440	2200	7100	220/190	1000	395



Lightning Arrester

Zhejiang Meto Electrical Co., Ltd. • www.chinameto.com • Polymer Insulator

Lightning Arrester
Polymer Type Lightning Arrester



Main Principle

ZnO lightning arrester is one kind most world advanced over-voltage protector at present, due to its core components of resistance applying ZnO and other metal oxide to make of, comparing with traditional carborundum arrester, it improves greatly V-A characteristics of resistance, increases the getting trough ability of resistance, there by it brings fundamental change to features of arrester.

Under normal working voltage, the current passing arrester only A class, when bearing over voltage, the excellent non-linear V-A features of arrester would make effect, the current passing through the arrester increase high to thousands of Ampere instant, the arrester is under getting through state, to release over-voltage energy, therefore it effective limits the damage to power transmission equipments due to over voltage.

Applicaifon And Features

ZnO lightning arrester is one kind protecting equipment preventing electric equipments in AC power system from high voltage and over-voltage operation.

Product model description

MT	LA	5	-	15
1	2	3	4	
1	Factory code			
2	Transmission lines Lightning Arrester			
3	Nominal discharge current			
4	Rated voltage			

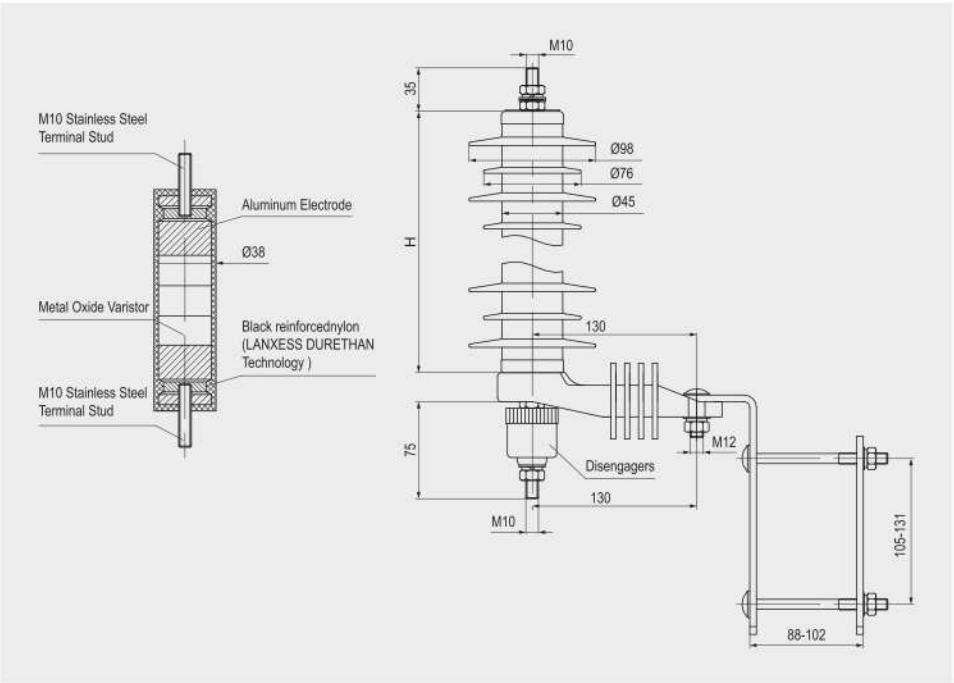


Lightning Arrester
Polymer Type Lightning Arrester



5KA Gapless Arrester Electrical Parameter

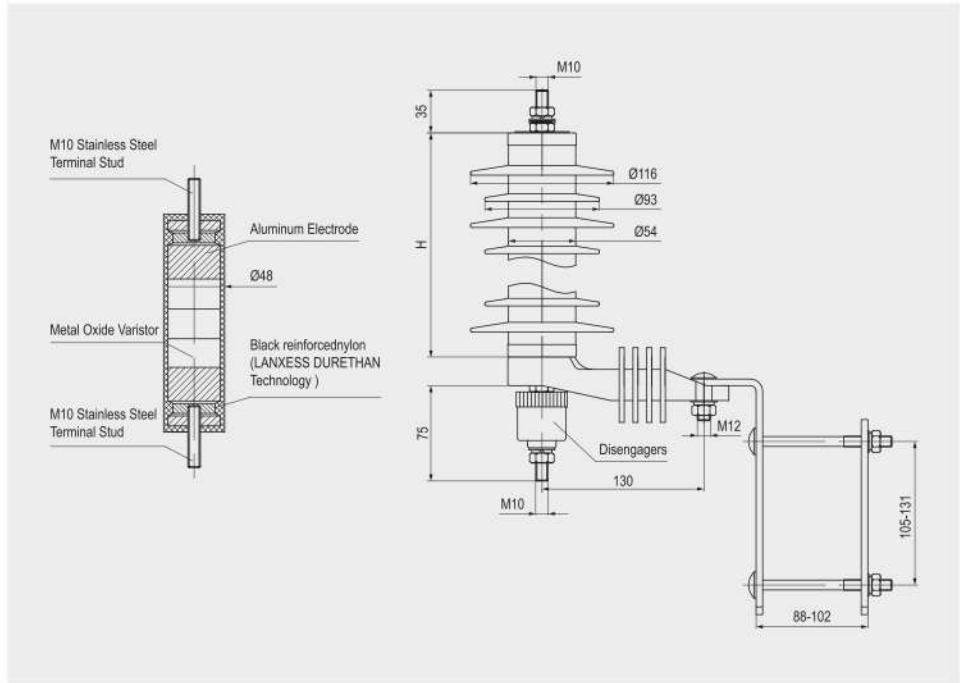
Product Model	Rated voltage (kV)	MCOV (kV)	Residual voltage (kV)			2000μs square wave impulse current withstand	4/10μs high current impulse (kV)	Length H mm
			1/10μ s Steep current impulse	8/20μs Lightning current impulse	30/60μ s switching current impulse			
MTLA5-3	3	2.55	9.5	9	7.7	150	65	95
MTLA5-6	6	5.1	19.0	18	15.4	150	65	115
MTLA5-9	9	7.65	28.5	27	23.1	150	65	115
MTLA5-10	10	8.4	36	30	26.4	150	65	135
MTLA5-11	11	9.4	40	33	30	150	65	135
MTLA5-12	12	10.2	42.2	36	31.7	150	65	135
MTLA5-15	15	12.7	47.5	45	38.5	150	65	180
MTLA5-18	18	15.3	57.0	54	46.2	150	65	180
MTLA5-21	21	17	66.5	63	53.9	150	65	205
MTLA5-24	24	19.2	76.0	72	61.6	150	65	205
MTLA5-27	27	21.9	85.5	81	69.3	150	65	285
MTLA5-30	30	24.4	95.0	90	76.5	150	65	330
MTLA5-33	33	26.8	104.5	99	84.7	150	65	385
MTLA5-36	36	29	114.0	108	92.4	150	65	385
MTLA5-42	42	34.1	126	111	101	150	65	475
MTLA5-45	45	36.5	128	119	105	150	65	475
MTLA5-48	48	39.0	139	127	110	150	65	570
MTLA5-51	51	40.8	151	134	115	150	65	570
MTLA5-54	54	42.0	160	143	119	150	65	570
MTLA5-60	60	48.0	178	159	132	150	65	720
MTLA5-66	66	53.0	196	175	145	150	65	810
MTLA5-69	69	55.2	205	183	152	150	65	850



Lightning Arrester
Polymer Type Lightning Arrester

10KA Gapless Arrester Electrical Parameter

Product Model	Rated voltage (kV)	MCOV (kV)	Residual voltage (kV)			2000μs square wave impulse current withstand	4/10μs high current impulse (kV)	Length H mm
			1/10μs Steep current impulse	8/20μs Lightning current impulse	30/60μs switching current impulse			
MTLA10-3	3	2.55	9.5	9	7.7	250	100	95
MTLA10-6	6	5.1	19.0	18	15.4	250	100	115
MTLA10-9	9	7.65	28.5	27	23.1	250	100	115
MTLA10-10	10	8.4	36	30	26.4	250	100	135
MTLA10-11	11	9.4	40	33	30	250	100	135
MTLA10-12	12	10.2	42.2	36	31.7	250	100	135
MTLA10-15	15	12.7	47.5	45	38.5	250	100	180
MTLA10-18	18	15.3	57.0	54	46.2	250	100	180
MTLA10-21	21	17	66.5	63	53.9	250	100	205
MTLA10-24	24	19.2	76.0	72	61.6	250	100	205
MTLA10-27	27	21.9	85.5	81	69.3	250	100	285
MTLA10-30	30	24.4	95.0	90	76.5	250	100	330
MTLA10-33	33	26.8	104.5	99	84.7	250	100	385
MTLA10-36	36	29	114.0	108	92.4	250	100	385
MTLA10-42	42	34.1	126.0	111.0	101.0	250	100	475
MTLA10-45	45	36.5	128.0	119.0	105.0	250	100	475
MTLA10-48	48	39	139.0	127.0	110.0	250	100	570
MTLA10-51	51	40.8	151.0	134.0	115.0	250	100	570
MTLA10-54	54	43	160.0	143.0	119.0	250	100	570
MTLA10-60	60	48	178.0	159.0	132.0	400	100	720
MTLA10-66	66	52.8	196.0	175.0	145.0	400	100	810
MTLA10-69	69	55.2	205.0	183.0	152.0	400	100	850



Lightning Arrester
Arrester Disconnecter

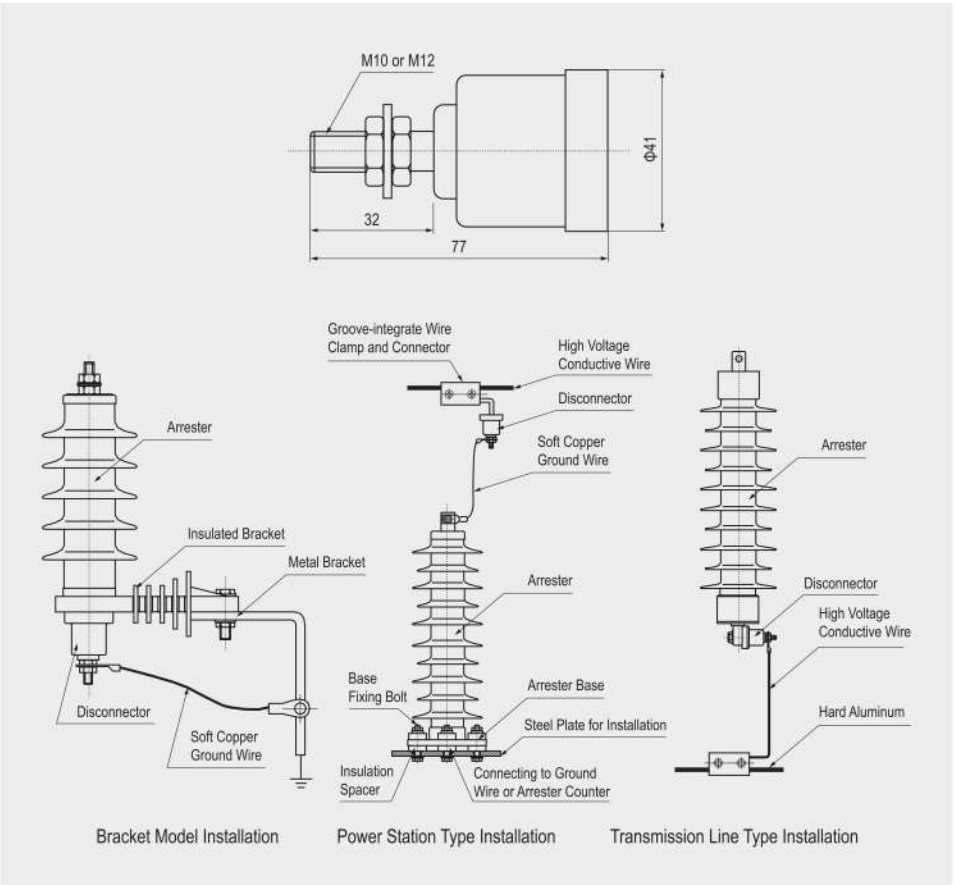


Main Principle

Arrester disconnecter is a device for disconnecting an arrester from the system in the event of arrester failure, to prevent a persistent fault on the system and to give visible indication of the failed arrester, TL-1 is a thermal explode disconnecter, our products as per IEC60099-4. standard.

Arrester disconnecter V-S charater

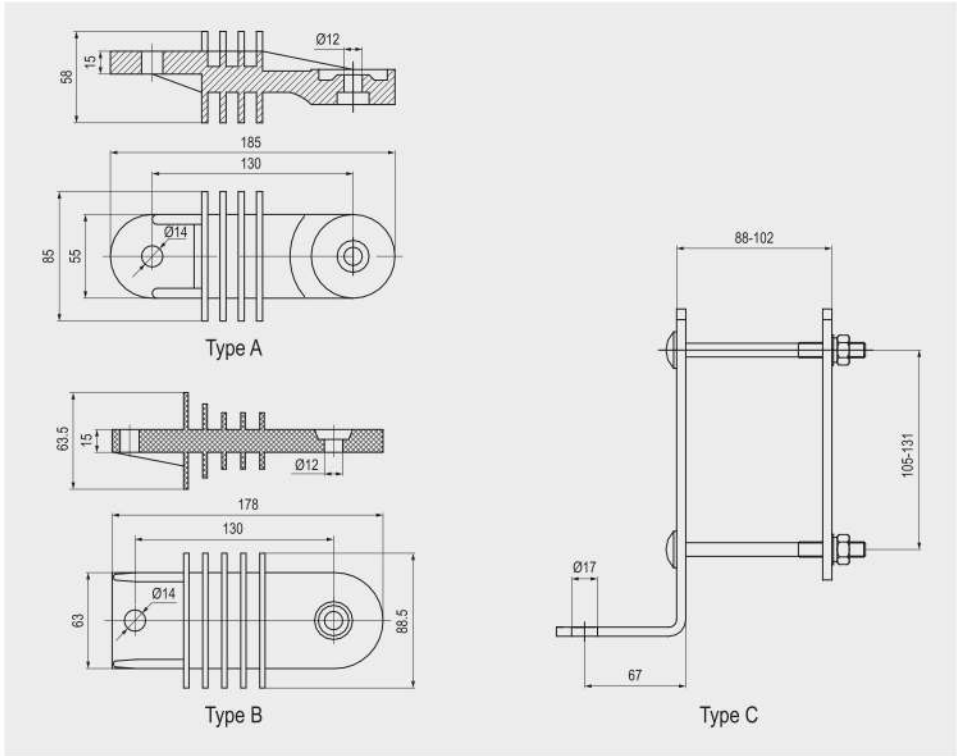
Current leve	Power frequency (A)			2000μ s square wave impulse current (A)	4/10μ s hight current (KA)
	20	200	800	600	100
operation time	<0.5	<0.04	<0.02	∞	∞



Lightning Arrester Mounting Bracket

Disconnecting bracket is the special bracket for installing disconnector in lightning arrester. It's mould by composite material, which has the characteristics of high strength, high insulation, aging resistance and so on. Also it has the function of supporting and isolating high voltage among the lightning arrester. When use it, first install the lightning arrester on the disconnecting bracket, and install the disconnector at the bottom of arrester.

Model	Insulation distance(mm)	Application	Material
Type A	130	Insulation isolate	insulation
Type B	130	Insulation isolate	insulation
Type c	-	Fixed in transmission pole installation	Hot-dip galvanized steel



Isolating Switch
Product Description



Main Principle

Outdoor HV Isolating Switch series are high voltage equipment for unipolar structure, can be used to divide or close circuit on outdoor 12KV power lines without load. A fixed hook and self-locking device is designed, flexible and reliable, using insulation hook bars. Outdoor high voltage Isolating Switch of anti-pollution type meet users' requirements for seriously polluted area, and can effectively solve the pollution flash over in operation.

Isolating Switch is applied to power system with AC 50 Hz, rated voltage 10 KV. It is used to cut off and close single phase or three-phase circuit with no load and voltage. It is composed of the base, pillar insulator conductive parts, and insurance hook, etc, cutting off and closing circuit by guillotine structure points switching. Each phase knife switch. The height of the spring can be adjusted to get needed contact pressure. Insulation hook rod can be used to open and close divide-shut brake. The knife switch itself has a self-locking device.

Product model description

MT DC 1 - 15 / 400
1 2 3 4 5

1	Factory code
2	Polymer insulation, DP-Porcelain insulation
3	Series No. of products
4	Rated voltage
5	Rated current

Product Structure

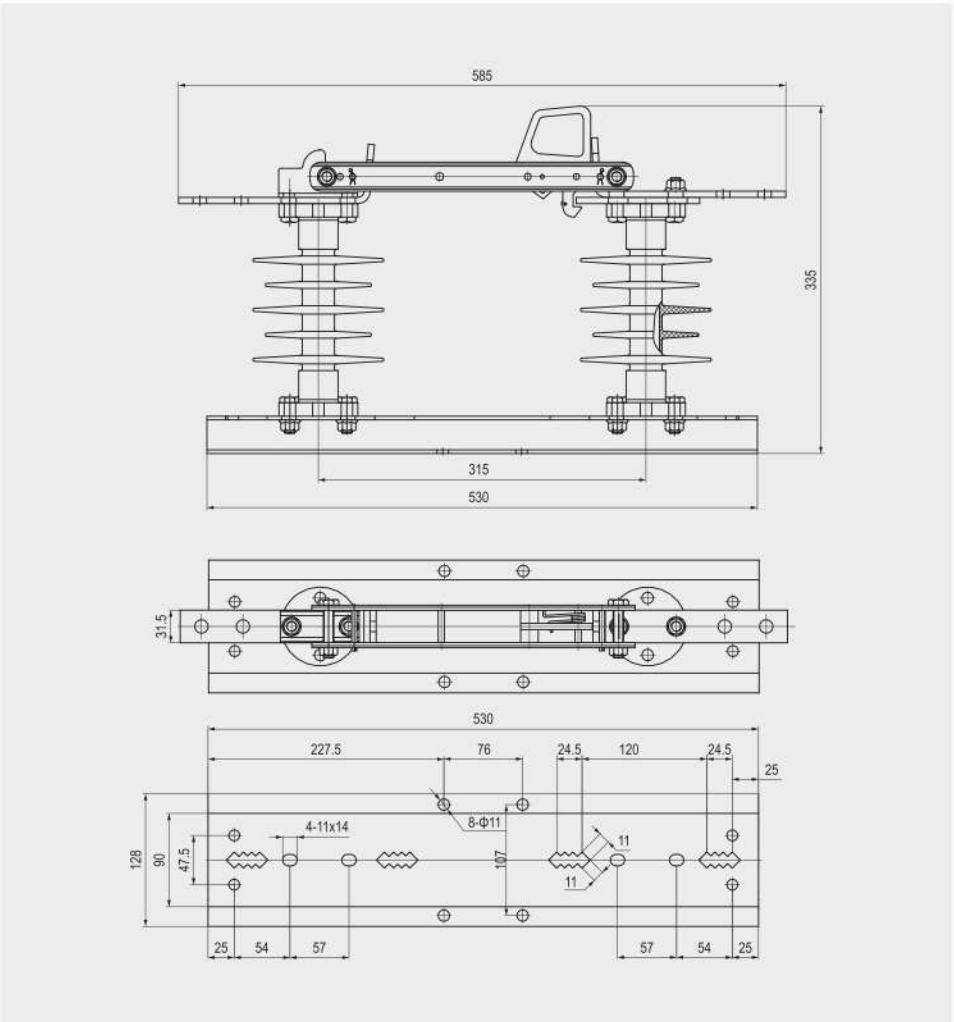
1. Blade stop pin, factory-set for 160 degree opening, can be readily filed repositioned to provide for 90 degree opening.
2. Double-member, hard-drawn, round-deged copper blades, formed for extra rigidity.
3. Positive latch and pry out. operate freely from all angles.
4. Attachment hooks for tool, also serve as blade guide.
5. Silver-to-silver contacts, throughout, backed up by stainless-steel loading springs.
6. Terminal pads, accommodate a wide selection of connectors workable with hot-line tools.
7. Resin type insulator
8. Dead ending option, base has holes in each end for attachment dead-ending bracket.
9. Two bolt insulator mounting, ensures against slipping or tuming of live parts, particularly when closing blade from the side.
10. Husky, galvanized fromed base, available with carriage bolt slots or smooth slots accommodating machine bolts. Rigid construction won't distort when bolted down. Five-inch width contributes to overall stability of disconnect. Large flanged area won't gouge crossarms.

Isolating Switch
MTDC1 Series Isolating Switch



Technical Specification

Type	MTDC1-*			
Rated voltage (kV)	12-15			
Rated current (A)	200	400	630	1000
4S Heat steady current (kA)	6.3	12.5	12.5	20
10S Heat steady current (kA)	5	10	14	20
Shock steady current (kA)	31.5	31.5	31.5	50
Impulse withstand voltage	To earth	75	75	75
	Across the isolating distance	85	85	85
Power-frequency withstand voltage	To earth	38	38	38
	Across the isolating distance	42	42	42
Limit passing current	Peak value	5	21	35
	r.m.s	9	15	25

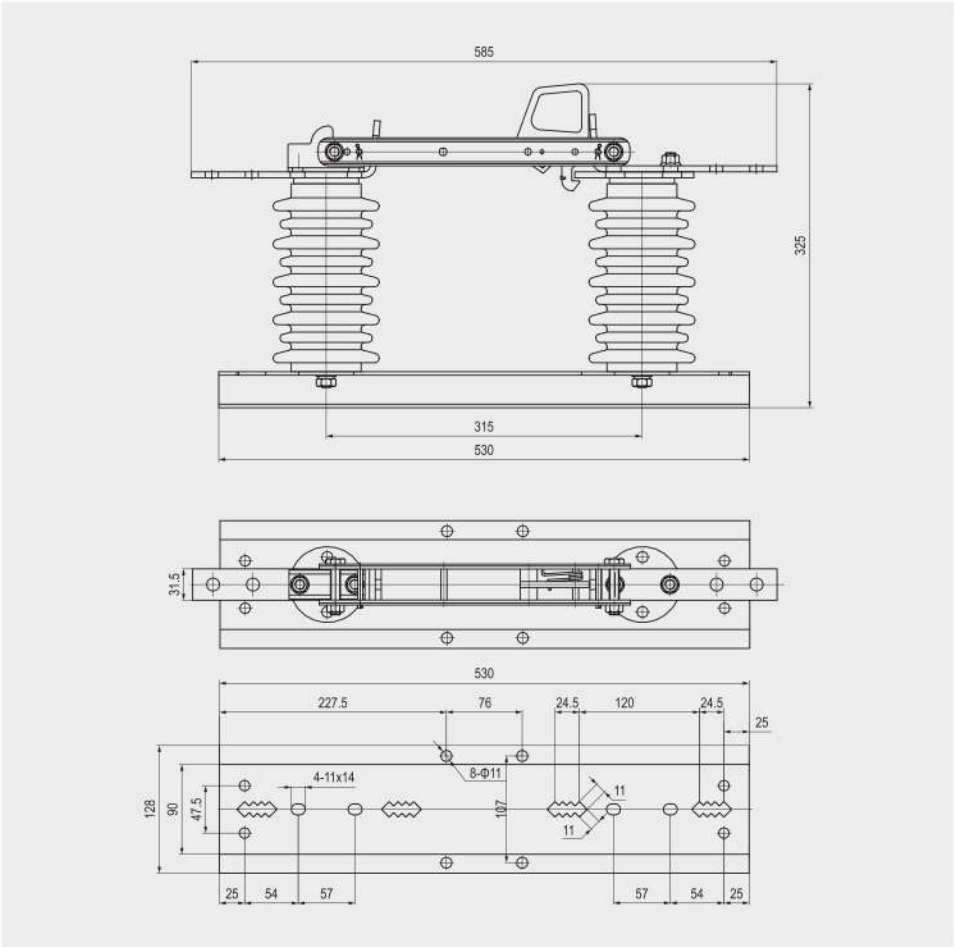


Isolating Switch
MTDP1 Series Isolating Switch



Technical Specification

Type		MTDP1-*			
Rated voltage (kV)		12-15			
Rated current (A)		200	400	630	1000
4S Heat steady current (kA)		6.3	12.5	12.5	20
10S Heat steady current (kA)		5	10	14	20
Shock steady current (kA)		31.5	31.5	31.5	50
Impulse withstand voltage	To earth	75	75	75	75
	Across the isolating distance	85	85	85	85
Power-frequency withstand voltage	To earth	38	38	38	38
	Across the isolating distance	42	42	42	42
Limit passing current	Peak value	5	21	35	50
	r.m.s	9	15	25	35

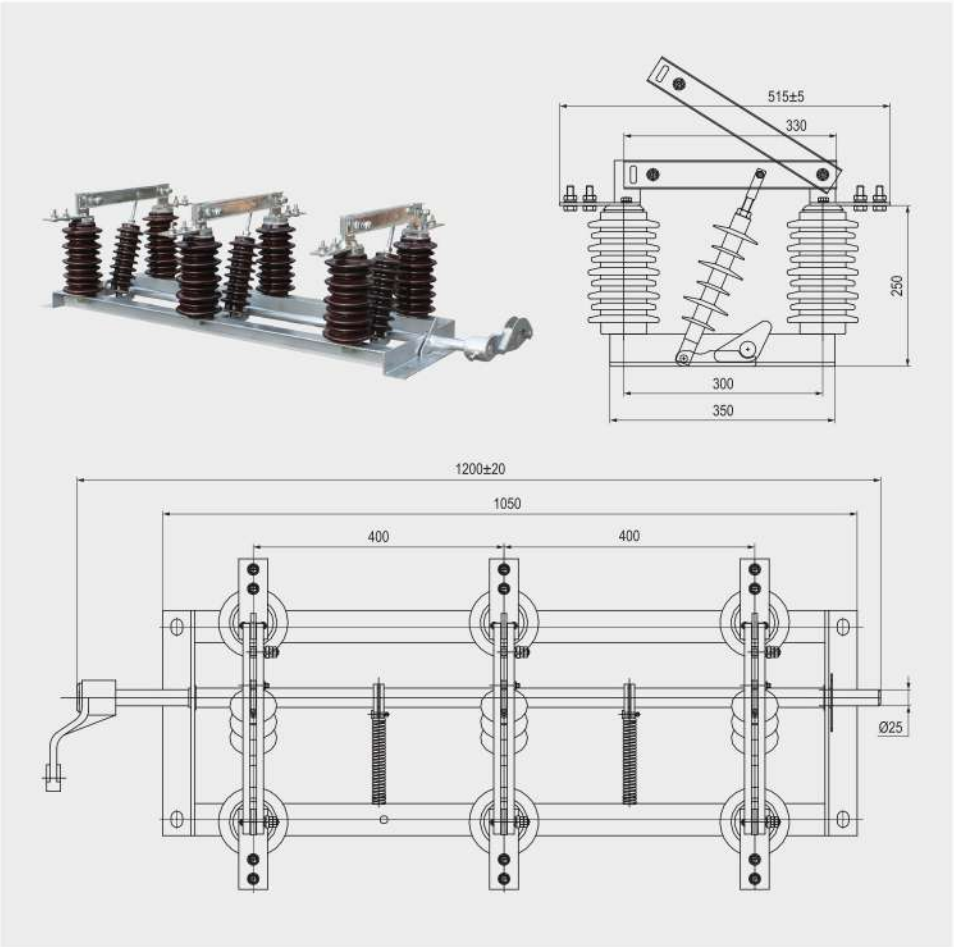


Isolating Switch
MTDP2 Series Isolating Switch



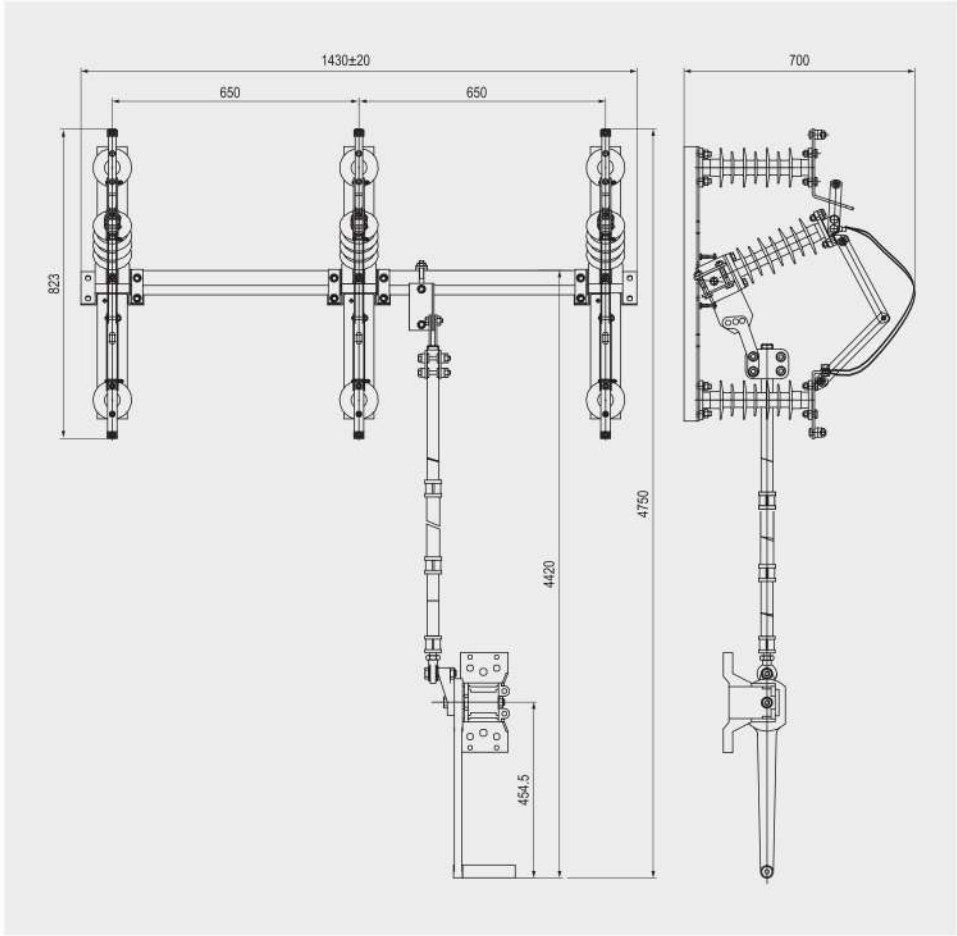
Technical Specification

Type		MTDP2-*			
Rated voltage (kV)		12-15			24
Rated current (A)		200	400	630	1250
4S Heat steady current (kA)		6.3	12.5	20	31.5
Shock steady current (kA)		16	31.5	50	80
Impulse withstand voltage	To earth	105	75	75	125
	Across the isolating distance	125	85	85	145
Power-frequency withstand voltage	To earth	42	42	42	50
	Across the isolating distance	48	48	48	65
Limit passing current	Peak value	5	21	35	50
	r.m.s	9	15	25	35



Technical Specification

Type	MTDP3-15/400	MTDP3-36/630
Rated current (A)	400	630
4S Heat steady current (kA)	12.5	12.5
Peak withstand current (kA)	31.5	31.5
Impulse withstand voltage	95	195
Power-frequency withstand voltage	42	85



Cable Strain Clamp



Cable Strain Clamp
ANSI Tension clamp

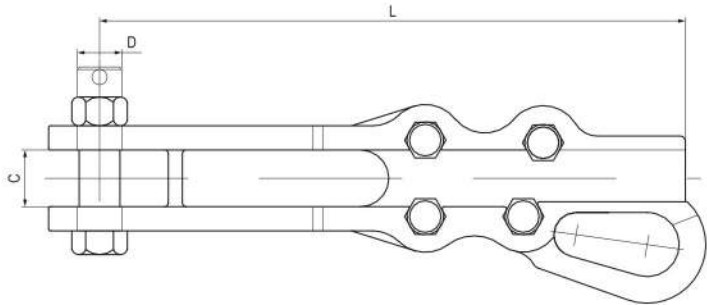


Features

Dead ends bolted Aluminum Straight line strain clamp for distribution and light transmission construction with all aluminum, ACSR or aluminum alloy conductor. These clamps have high holding power and large range taking ability. (Straight Contoured Groove).
Body and keeper : aluminum alloy.
Hardware: galvanized steel.
Socket and Clevises: Iron, galvanized
Cotter Pin : Stainless steel

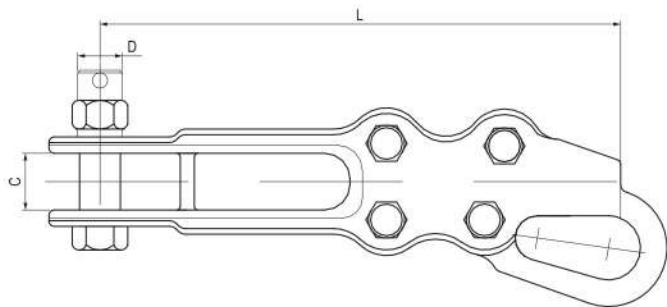
Technical Specification

Modle	Conductor Dia. (mm)	Dimensions (mm)			U.T.S (kN)	Weight (kg)
		L	C	D		
MTZ-2L	5.8-10.5	180	17.5	16	35	0.73
MTZ-3L	7.6-15.2	195	19.5	16	45	0.92
MTZ-4L	7.8-22.3	240	24	16	45	1.21



Technical Specification

Modle	Conductor Dia. (mm)	Dimensions (mm)			U-Bolt No.	U.T.S (kN)	Weight (kg)
		L	C	D			
MTLZ-1L	3.8-9.4	114	18	16	2	20	0.60
MTLZ-2L	5.8-10.4	195	19	16	2	35	0.84
MTLZ-3L	7.6-15.2	195	19	16	2	45	1.05
MTLZ-4L	11.7-22.4	240	24	16	2	45	1.34



Cable Strain Clamp
Cable Strain Clamp / Andhoring Bracket



Cable Strain Clamp

NLL series bolt type aluminum alloy strain clamp is suitable for 35 KV or less than overhead circuit, fix aluminum wire of steel-aluminum wire on strain rod. Overhead insulation aluminum conductor, it is for mating insulation aluminum cover, it takes insulation protection. This product technology possesses the poverty of good machanical properties, measurement accuracy, high mass of zinc coating, uniform in diameter and free from all surface imperfections, long service life as well as good resistance.

Strain clamp has many structure features, the body is made of high-strength aluminum alloy, smooth surface and long service life,easy installation, no waste electric energy and so on.

Structure & Characteristics

1. The body is made of high-strength aluminum alloy
2. Smooth surface long servile life
3. Easy installation
4. No waste electric energy

Technical Specification

Model	Cable Diameter (mm)	Nominal Failure Load (KN)	U bolt Number	U bolt Diameter
NLL-1	5.0-10.0	40	2	M12
NLL-2	10.1-14.0	40	2	M12
NLL-3	14.1-18.0	70	3	M14
NLL-4	18.1-23.0	90	3	M14
NLL-5	23.1-29.0	100	4	M16

Andhoring Bracket

Material: High strength aluminium alloy by casting
Product property: Anchoring ABC cables with neutral messenger on poles(wood, concrete etc...), Excellent in industrial and saline environment, Fixed by 2×(14mm or 16mm) bolts or 2 stainless straps 0.75×20mm. It is in accordance with NFC 33-040.

The universal hook KN96, KN95, and KN98 is used with bands in pole installations and with screws in wall installations. The hook is delivered without screws.



Main Principle

Material: Nylon plus fiber glass
Product property: They plastic anchoring clamp is suitable for insulated low-voltage ABC cable. It is also suitable for multiple conductors easy installation and perfect insulated function. It is in accordance with the NFC 33-042.

Technical Specification

Model	Cross-section (mm ²)
STA	1×10 / 1×16
STB	2×16 / 2×25
STC	4×16 / 4×25
STD	1×16 / 1×70
LA1	4×16 / 4×25
LA2	2×6 / 2×16
DCR-1	1×4 / 1×25
DCR-2	1×4 / 1×25
2.1	16-25
PA 1500	25-50
PA2000	54.6-70

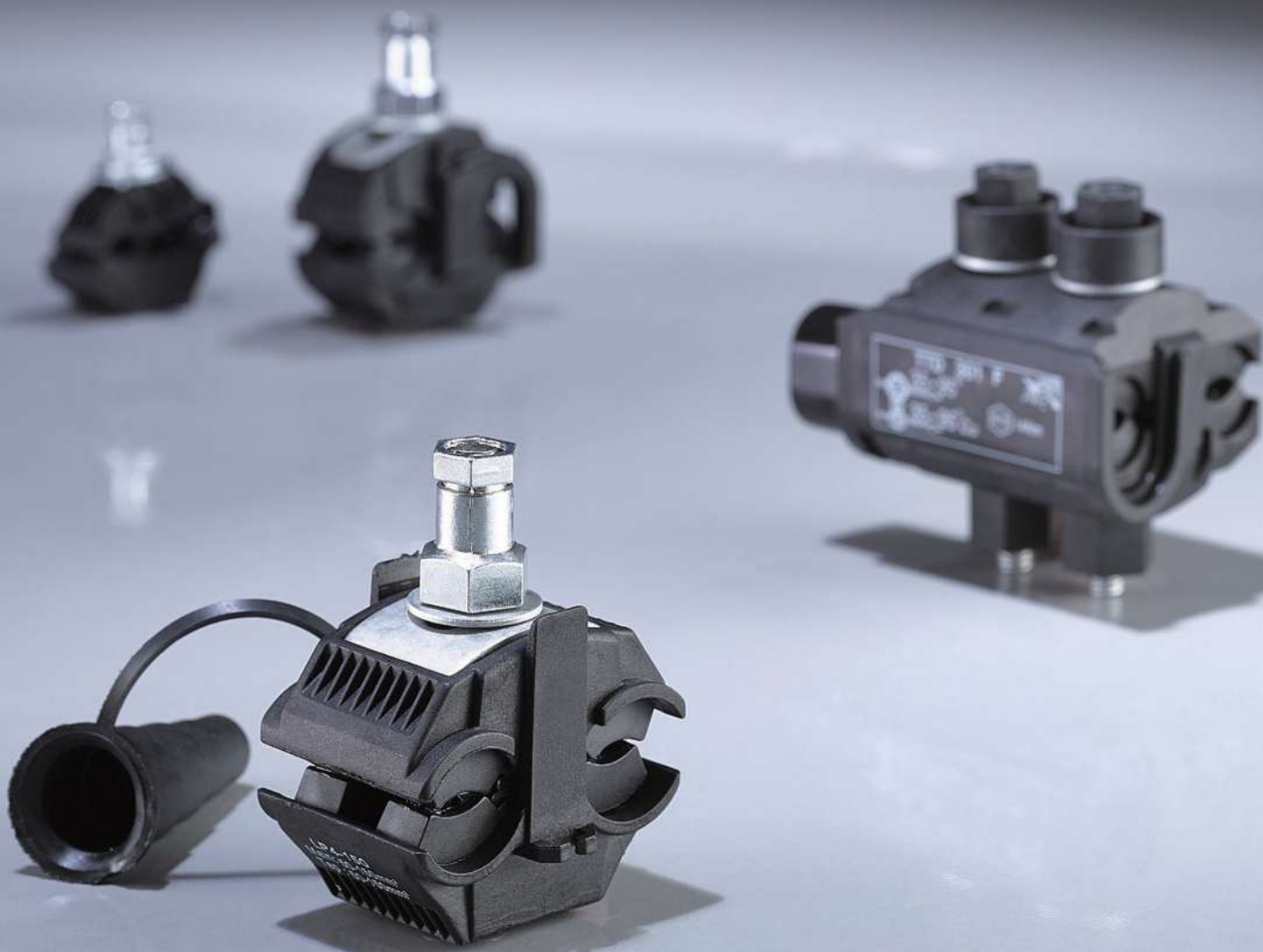
Main Principle

Material: High strength aluminium alloy, nylon plus fiber glass, stainless steel
Product property: They are characterized by high mechanical stability, reduced dimensions for easier handling, high mechanical and climatic resistance. Cable gripping device in insulating material ensures the double insulation of the neutral core and avoids damage to sheath, secured parts, no tools required stainless steel bail with two marbles compressed on the end, the is conception allows an easier locking on the body of the clamp, They are in accordance with NFC 33-041.

Technical Specification

Model	Cross-section (mm ²)
PAM-06	16-20
PAM-07	16-25
PAM-08	16-25
DR1400	50-70
DR1500	50-70
DR1600	50-70
JBG-1	50-70

Insulation Piercing Clamp And Connector



Main Principle

General of insulation piercing connector (IPC)

- 1. Piercing connector, simple installation, need not strip the cable coat.
- 2. Moment nut, piercing pressure is constant, keep good electric connection and make no damage to lead.
- 3. Self-seam frame, wetproof, waterproof, and anti-corrosion, extend the using life of insulated lead and connector.
- 4. Adopted special connecting tablet, apply to joint of Cu(Al) and Cu(Al) or Cu and Al.
- 5. Small electric connecting resistance, connecting resistance less than 2.5 times of the resistance of branch conductor with the same length.in accordance with the standard DL/T765.1-2001.
- 6. Special insulated case body, resistance to illumination and environmental aging, the insulation strength can up to 12kV.
- 7. Arc surface design, apply to connection with the same (different) diameter, wide connection scope (0.75mm²-400mm²/td)

Performance testing

- 1. Mechanical performance: the grip force of the wire clamp is 1/10 bigger than the break force of the lead, It comply with GB2314-1997.
- 2. Temperature rise performance: under the condition of big current, the temperature rise of connector is less than that of connection lead.
- 3. Heat circle performance: conforms to GB/T2317.3-2000, the heat circle trial standard for electric fitting.
- 4. Waterproof insulation performance: conforms to the relevant testing requirements in Part 2 of GB/T13140.4-1998.
- 5. Resistance to corrosion performance: under the condition of SO2 and salt fog, it can do three times of fourteen days circle testing.
- 6. Environmental aging performance: under the circumstance of ultraviolet, radiation, dry and moist, expose it with change of temperature and heat impulse for six weeks.
- 7. Fire-proof performance: insulation material of the connector withstands glowing filament test. Conform to the requirements in Chapter 4-10 of GB/T5169.4.

1 kV Series products

Type	Equivalent Type	Main line section (mm ²)	Branch section (mm ²)	Norminal current (A)	Outline size (mm)	Weight (g)	Piercingdepth (mm)
MT101	JJC-1	1.5-25	1.5-10	55	27×41×62	55	1.5-2
MTEP	JJC-2	16-95	1.5-10	55	27×41×62	55	1-2
MT2-95	JJC-3	16-95	4-35(50)	157	46×52×87	160	1.5-2
MT2-150	JJC-4	50-150	6-35(50)	157	45×52×87	162	1.5-2.5
MT3-95	JJC-5	25-95	25-95	214	50×61×100	198	1.5-2
MT3-120	JJC-5-1	16-120	16-120	214	50×61×100	198	1.5-2
MT4-150	JJC-6	(35)50-150	(35)50-150	316	50 x 61 x 100	219	1.5-2.5
MT6	JJC-7	120-240	25-120	211	52×68×100	360	1.5-2.5
MT7	JJC-7-1	150-240	10-25	102	52×68×100	336	1.5-2.5
MT240	JJC-8	95-240	95-240	425	83×130×130	1040	1.5-2.5
MT300	-	300	Arbitrary	425	83×130×130	1040	1.5-2.5
MT400	JJC-8-1	400	Arbitrary	425	83×130×130	1040	1.5-2.5



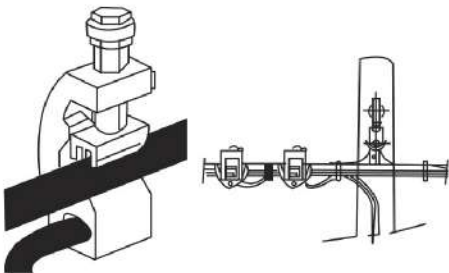
Main Principle

Material: High strength aluminium alloy, anti-UV plastic

A broad usage in the low voltage insulation lines, leading the branch connection to the main conductor. T-connection of low voltage insulation wire service and cable branch connection for building distribution system. The material for the inside body is high strength aluminum alloy, and the insulation cover is used polyvinyl chloride (PVC). The connectors with specially designed contact teeth, are suitable for the connection of aluminum. Put the main conductor and branch conductor parallel into the teeth grooves of the clamp, tighten the bolts, pierce the insulation of two conductors to make the conductors connect.

The insulation cover of functions as waterproof and sealing perfectly.

At the breaking force of the conductor, the connector will not be distorted and broken, At the rated current and short circuit, rising temperature of the connector should be less than the connecting conductor.



Technical Specification

Modle	Tap Conductor Cross-sectipn (mm ²)	Tap Conductor Cross-sectipn (mm ²)
PI-71	35-95	4-54
CD-71	35-95	4-54
PC-150	35-150	4-50
P-71	35-95	4-50
P-72	35-95	2×(4-50)
P-150	70-150	2×(4-54)
P-151	16-150	6-95

