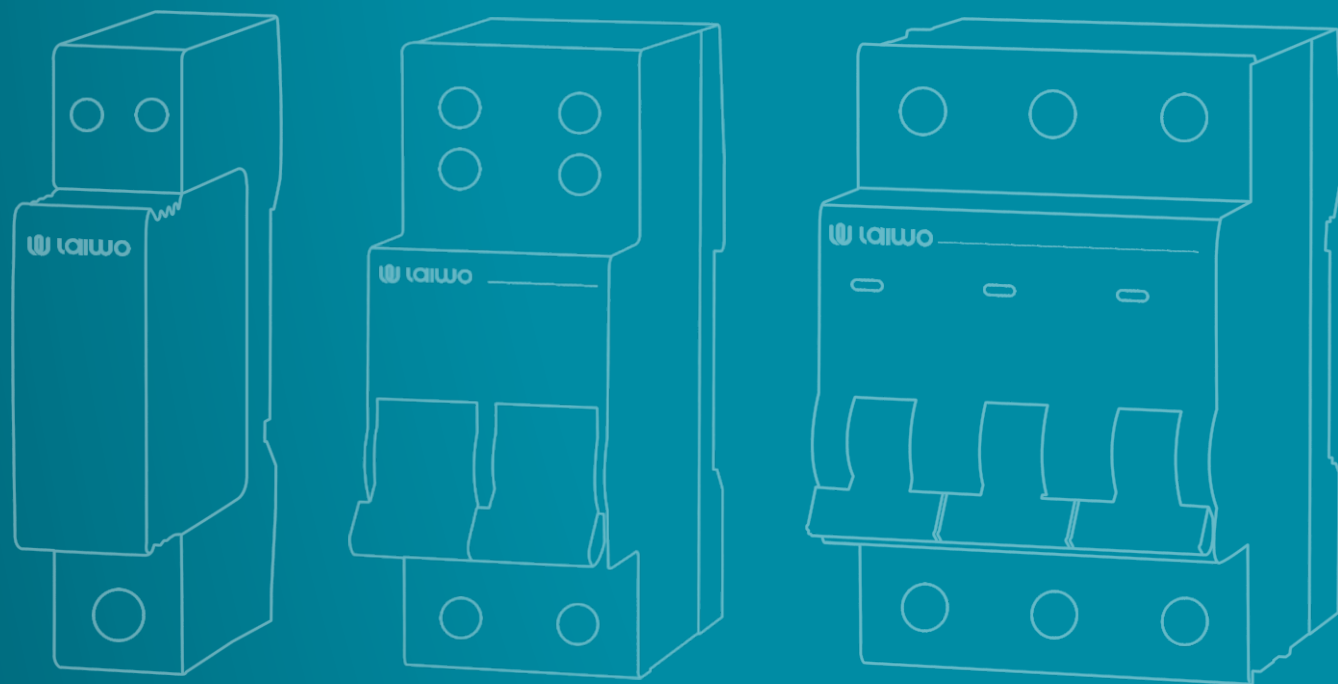




laiwo

WENZHOU LAIWO ELECTRICAL TECHNOLOGY 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

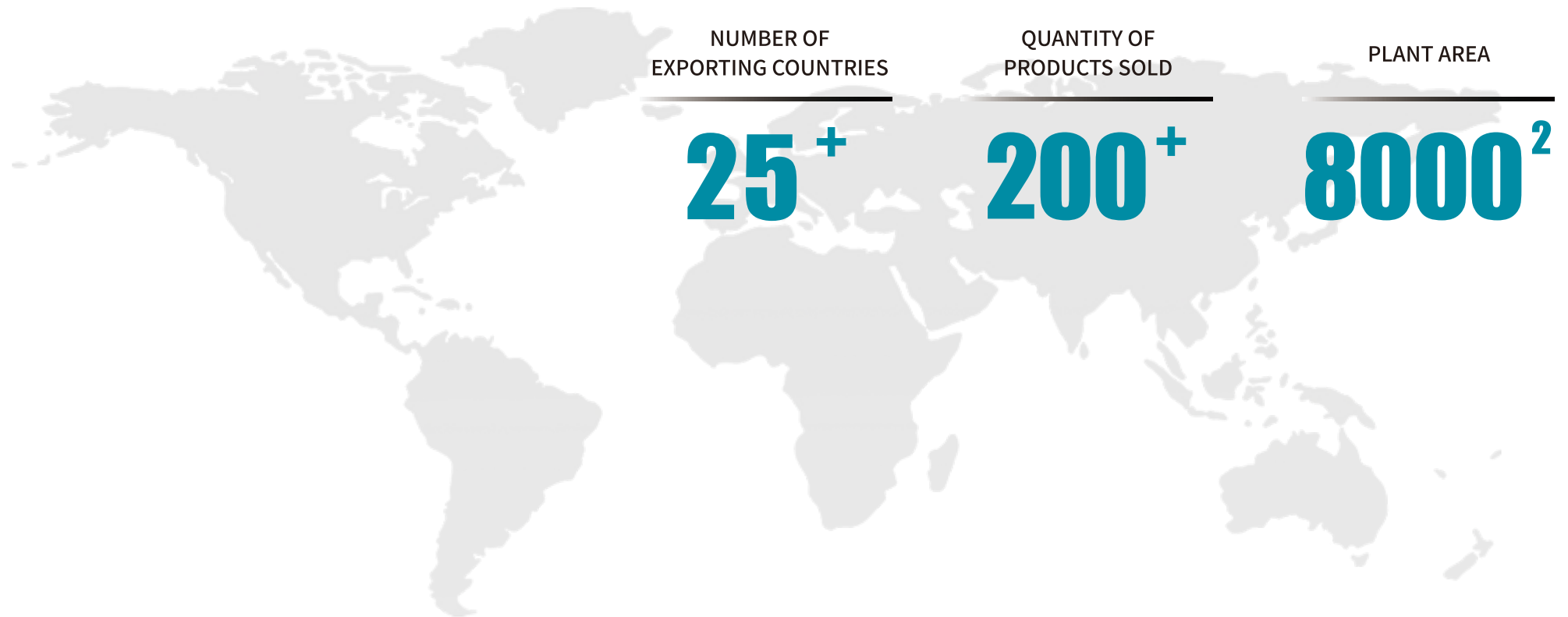
25⁺

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.

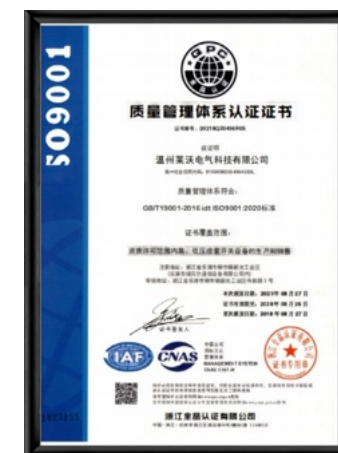


30⁺

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.

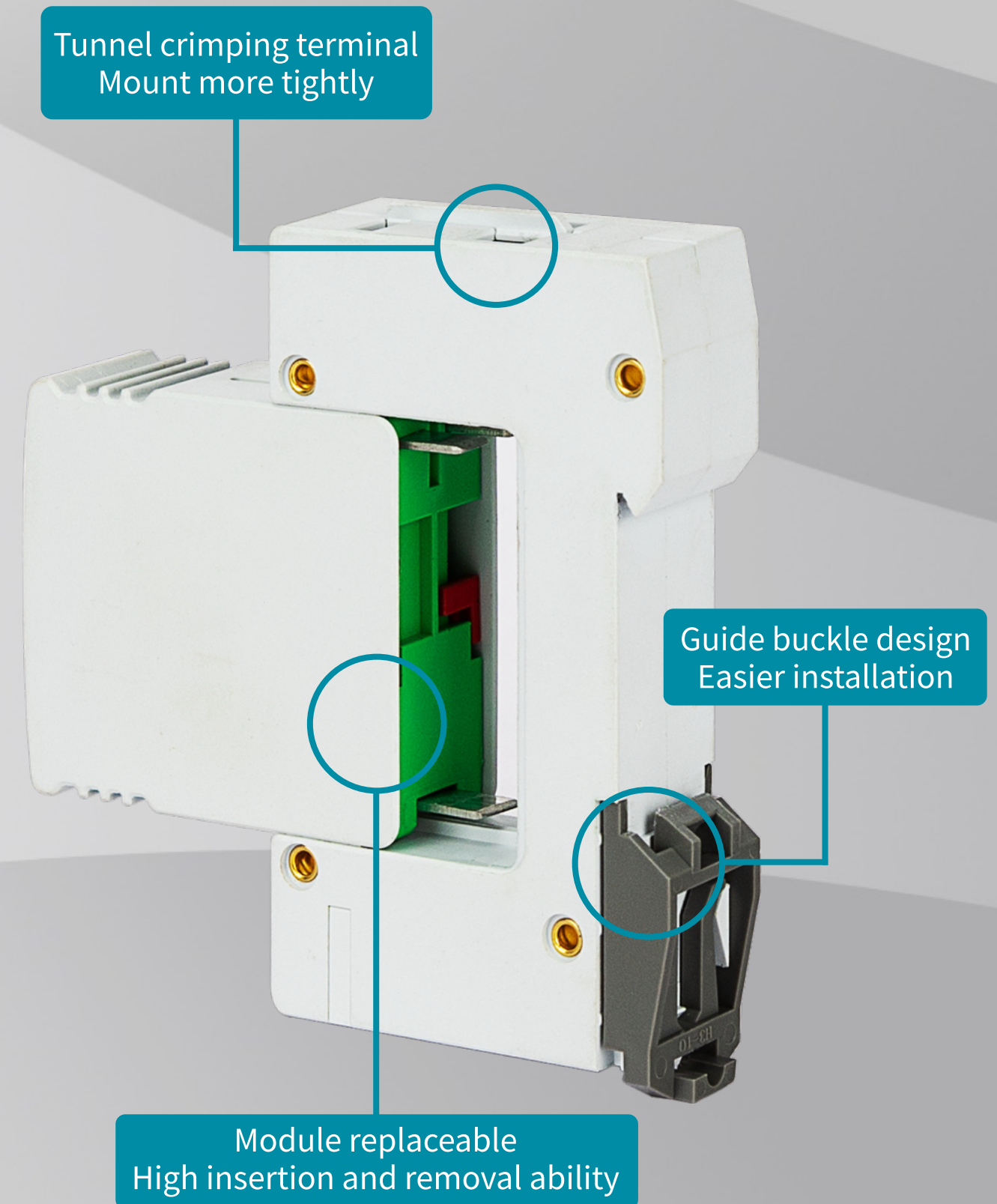
03 SURGE PROTECTOR

WSA Range Surge Protective Device	03
WSA+N Range Surge Protective Device	05
WSP Range Mini Surge Protective Device	07
WSP+N Range Mini Surge Protective Device	08
WST Surge Protective Device	09
WST+N Surge Protective Device	10

PRODUCT CATALOG



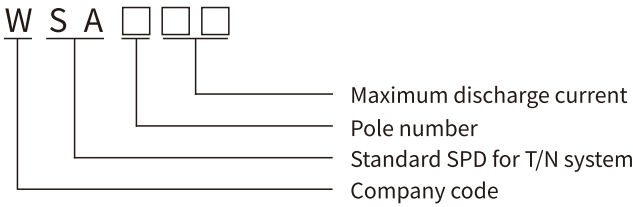
NR SURGE PROTECTOR



WSA Range Surge Protective Device



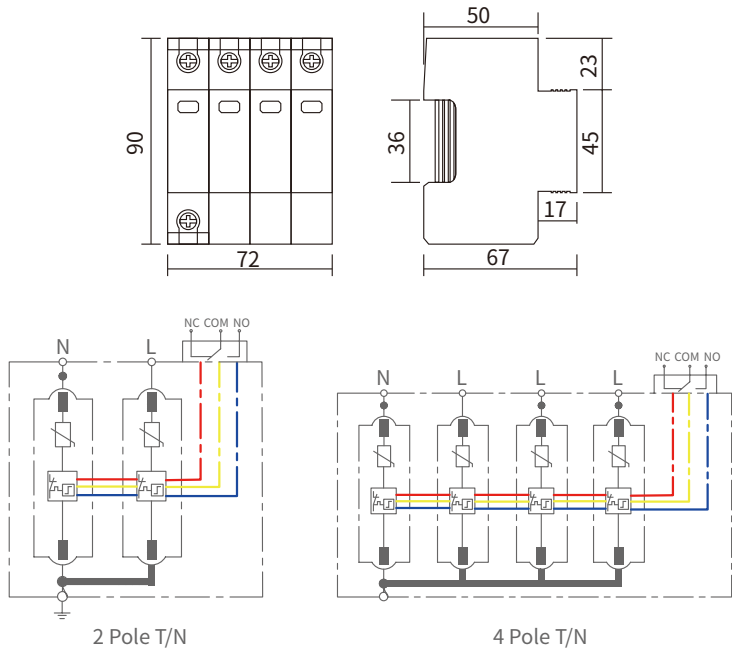
Product model meaning



Product characteristics

SPDs are recommended for installations in accordance with 18th edition wiring regulation to protect sensitive and expensive electrical equipment. This range of SPDs are characterised by an 8/20µs current wave, they can prevent the spread of overvoltages in electrical installations and protects equipment connected to it. These surge protector must be replaced if the indicator turns red. They comply with BS EN61643-11.

Product selection



Product model	Description	Box Qty
WSA120	1 Pole 10kA/20kA Type 2 Surge Protective Device	96
WSA140	1 Pole 20kA/40kA Type 2 Surge Protective Device	96
WSA160	1 Pole 30kA/60kA Type 2 Surge Protective Device	96
WSA220	2 Pole 10kA/20kA Type 2 Surge Protective Device	48
WSA240	2 Pole 20kA/40kA Type 2 Surge Protective Device	48
WSA260	2 Pole 30kA/60kA Type 2 Surge Protective Device	48
WSA320	3 Pole 10kA/20kA Type 2 Surge Protective Device	32
WSA340	3 Pole 20kA/40kA Type 2 Surge Protective Device	32
WSA360	3 Pole 30kA/60kA Type 2 Surge Protective Device	32
WSA420	4 Pole 10kA/20kA Type 2 Surge Protective Device	24
WSA440	4 Pole 20kA/40kA Type 2 Surge Protective Device	24
WSA460	4 Pole 30kA/60kA Type 2 Surge Protective Device	24

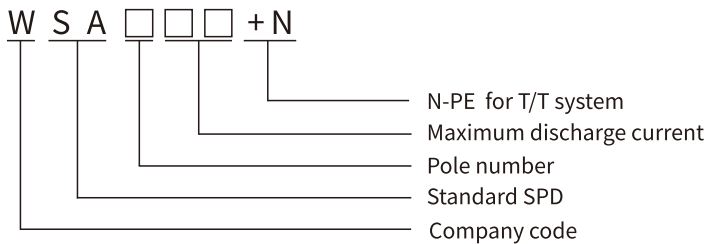
Technical parameter

Product model	WSA120-420	WSA140-440	WSA160-460
Type	Type2	Type2	Type2
Maximum working voltage	275/380V	275/380V	275/380V
Temporary overvoltage withstand UT	440/660V AC	440/660V AC	440/660V AC
Nominal discharge current In	10kA	20kA	30kA
Maximum discharge current Imax	20kA	40kA	60kA
Protection level (at In) CM/DM (2) Up	1.3kV	1.5kV	2.0kV
Residual voltage at 5 kA	1.2kV	1.3kV	1.5kV
Admissible short-circuit current	25kA	25kA	25kA
Fuses type gG	63A max	100A max	100A max
Operating temperature	-40 / +85 °C		
Protection class	IP20	IP20	IP20

WSA+N Range Surge Protective Device



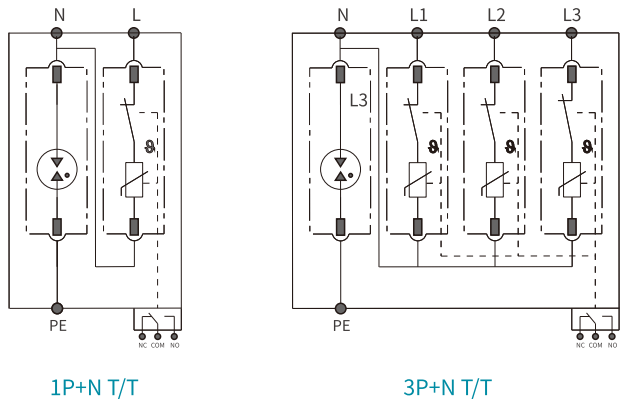
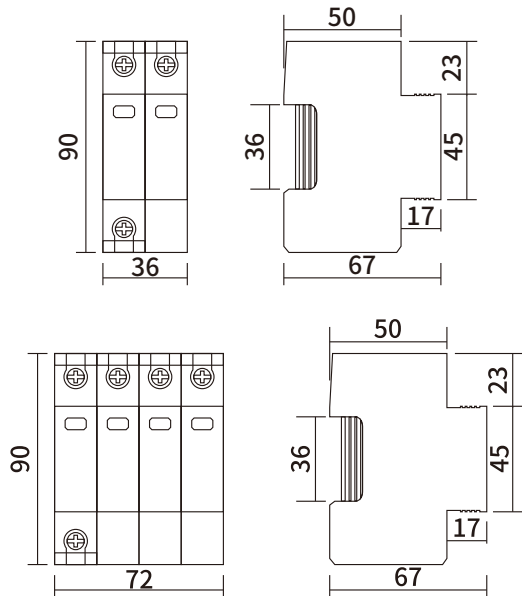
Product model meaning



Product characteristics

SPDs are recommended for installations in accordance with 18th edition wiring regulation to protect sensitive and expensive electrical equipment. This range of SPDs are characterised by an 8/20µs current wave, they can prevent the spread of overvoltages in electrical installations and protects equipment connected to it. These surge protector must be replaced if the indicator turns red. They comply with BS EN61643-11.

Product selection

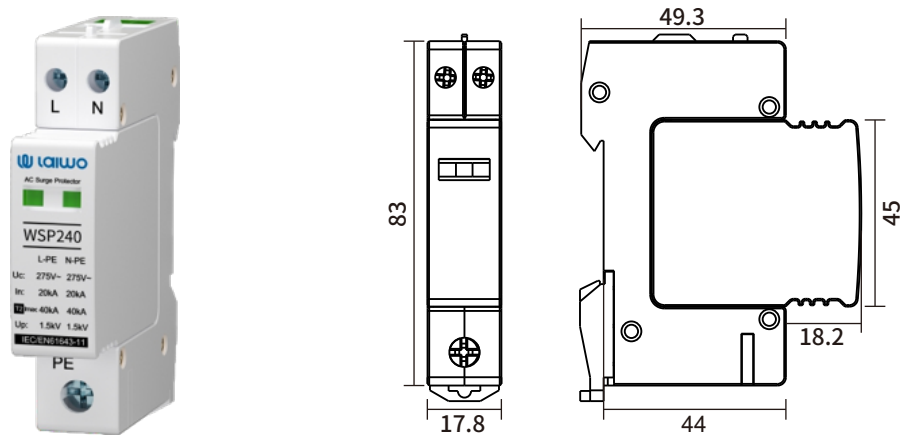


Product model	Description	Box Qty
WSA120+N	1P+N 2Pole 10KA/20KA Type 2 Surge Protective Device	48
WSA320+N	3P+N 4Pole 10KA/20KA Type 2 Surge Protective Device	24
WSA140+N	1P+N 2Pole 20KA/40KA Type 2 Surge Protective Device	48
WSA340+N	3P+N 4Pole 20KA/40KA Type 2 Surge Protective Device	24
WSA160+N	1P+N 2Pole 30KA/60KA Type 2 Surge Protective Device	48
WSA360+N	3P+N 4Pole 30KA/60KA Type 2 Surge Protective Device	24

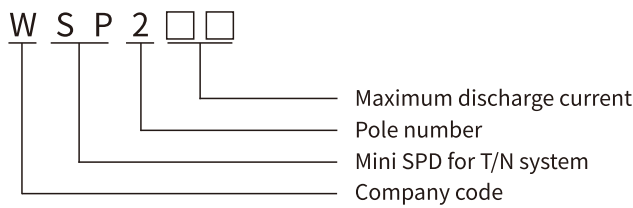
Technical parameter

Product model	WSA120-320 +N	WSA140-340 +N	WSA160-360 +N
Type	Type2	Type2	Type2
Maximum working voltage	275/380V	275/380V	275/380V
Temporary overvoltage withstand UT	440/660V AC	440/660V AC	440/660V AC
Nominal discharge current In	10kA	20kA	30kA
Maximum discharge current I _{max}	20kA	40kA	60kA
Protection level (at In) CM/DM (2) Up	1.3kV	1.5kV	2.0kV
Residual voltage at 5 kA	1.2kV	1.3kV	1.5kV
Admissible short-circuit current	25kA	25kA	25kA
Fuses type gG	63A max	100A max	100A max
Operating temperature	-40 / +85 °C		
Protection class	IP20	IP20	IP20

WSP Range Mini Surge Protective Device



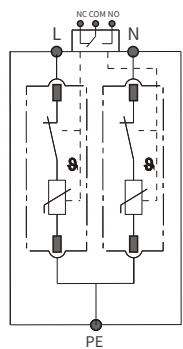
Product model meaning



Product characteristics

- Protection for T/N system
- Pluggable module, easy for installation and maintenance
- High discharge capacity, quick response
- Double thermal disconnection devices, providing more reliable protection
- Green window will change when fault and also provide remote alarm control at the same time
- Comply with BS EN61643-11

Product selection



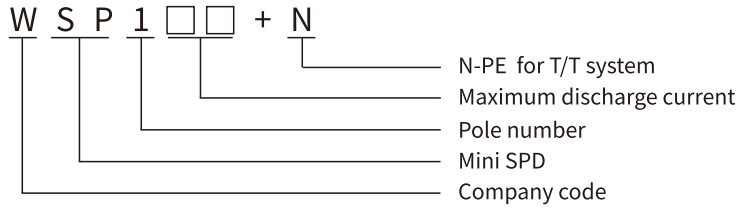
WSP240 2P

Product model	Description
WSP 220	2Pole 10kA/20kA Type 2 Surge Protective Device
WSP 240	2Pole 20kA/40kA Type 2 Surge Protective Device

WSP+N Range Mini Surge Protective Device



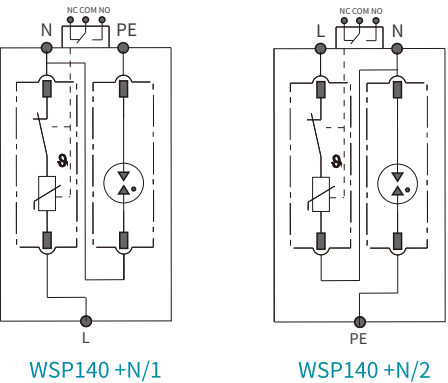
Product model meaning



Product characteristics

- Protection for T/T system
- Pluggable module, easy for installation and maintenance
- High discharge capacity, quick response
- Double thermal disconnection devices, providing more reliable protection
- Green window will change when fault and also provide remote alarm control at the same time
- Comply with BS EN61643-11

Product selection

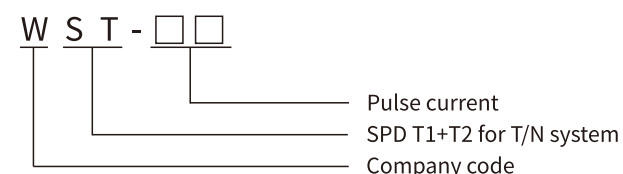


Product model	Description
WSP 120+N/1	1P+N 10kA/20kA Type 2 Surge Protective Device/busbar connecting
WSP 120+N/2	1P+N 10kA/20kA Type 2 Surge Protective Device/wire connecting
WSP 140+N/1	1P+N 20kA/40kA Type 2 Surge Protective Device/busbar connecting
WSP 140+N/2	1P+N 20kA/40kA Type 2 Surge Protective Device/wire connecting

WST Surge Protective Device



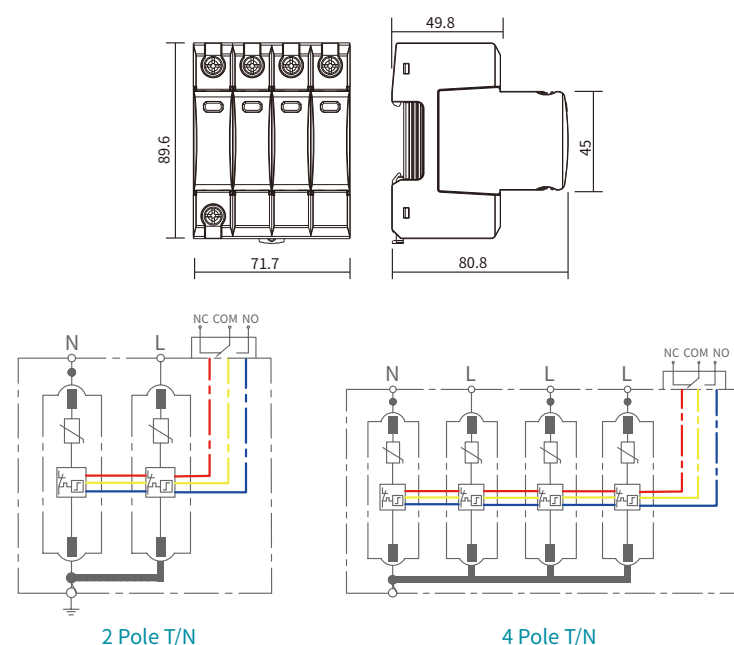
Product model meaning



Product characteristics

- Rated Voltage (UcAc) :255V/320V
- Type:T1+T2
- T1 limp: 12.5kA.
- T2 nominal discharge current (In): 30kA.
- T2 maximum discharge current (Imax): 60kA.
- Voltage protection level (Up): $\leq$ 2.0kV
- Protection degree :IP20
- Ambient Temperature : $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Number of Poles :1P,2P,3P,4P
- Test Standard :61643-1
- Mounting on:35mm DIN rail

Product selection



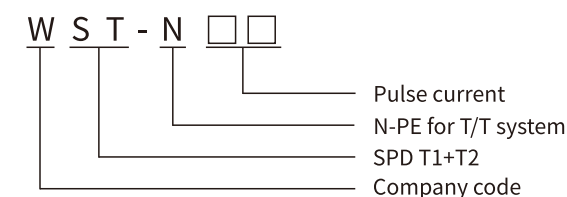
2 Pole T/N

4 Pole T/N

WST-N Surge Protective Device



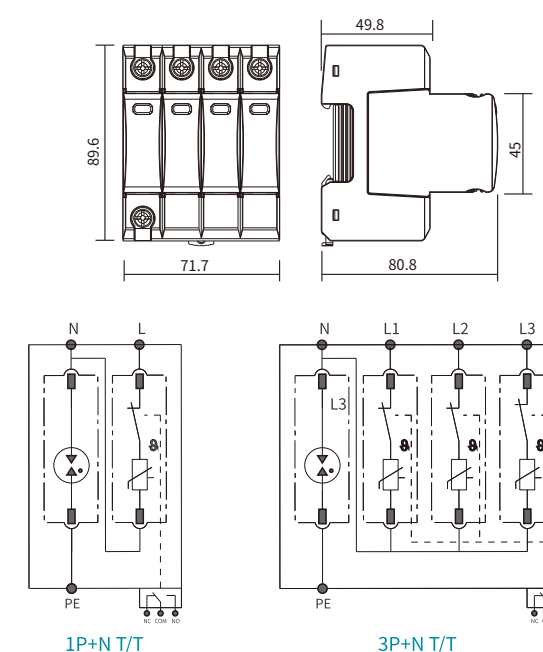
Product model meaning



Product characteristics

- Rated Voltage (UcAc) :255V/320V
- Type:T1+T2
- T1 limp: 12.5kA.
- T2 nominal discharge current (In): 30kA.
- T2 maximum discharge current (Imax): 60kA.
- Voltage protection level (Up): $\leq$ 2.0kV
- Protection degree :IP20
- Ambient Temperature : $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Number of Poles :1P+N,3P+N
- Test Standard :61643-1
- Mounting on:35mm DIN rail

Product selection



1P+N T/T

3P+N T/T