



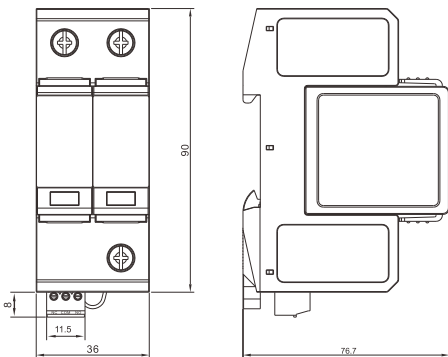
Class I+class II
surge protector
YSPD-12HA-150-R/2P



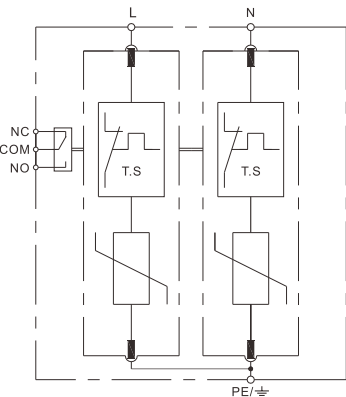
Description

Pluggable shockproof module, integrated base, level I+II/level 1+2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zone LPZ 0B-1 or higher.

Dimension drawing



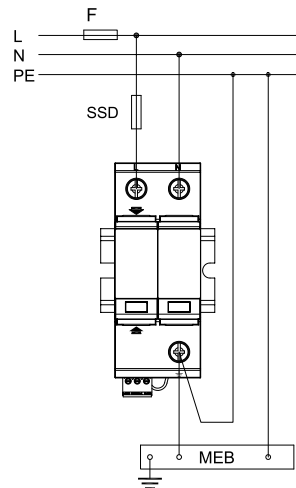
Circuit diagram



Features

- Unique arc interruption technology
- Plug-in replacement is convenient
- Fault indication Remote signal alarm
- Can directly protect terminal equipment

Wiring diagram



Electrical

Product model	YSPD-12HA-150-R/2P
SPD according to IEC/EN 61643-11	Class I + Class II
SPD according to GB 18802.11	Type 1 + Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	MOV
Nominal Voltage (U _N)	150 V
Max. continuous operating voltage (U _C)	150 Vac
Nominal discharge current (8/20μs) (I _N)	30 kA
Max. discharge current (8/20μs) (I _{max})	60 kA
Lightning impulse current (10/350μs) (I _{imp})	12.5 kA
Voltage protection level for 30kA (U _P)	1.0 kV
Voltage protection level for 5kA (U _P)	0.7 kV
Response time (t _A)	≤ 25 ns
Special backup protection device for surge	ESCB-20TA/2P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	240 V / 120 mins
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 76 mm
Cross-sectional area (max.)	25 mm ² stranded/flexible
Cross-sectional area (min.)	1.5 mm ² stranded/flexible
Stripping length terminals	10 mm
Torque contacts	3 N*m(Max), 2 N*m(Recommended)

Indication

Operating status/fault indication	Green / red
Type of Changeover contact	Changeover contact
Switching capacity	Max (125 Vac / 1 A), Min (5 V/0.5 mA)
Cross-sectional area (max.)	1.5 mm ²
Stripping length for indication terminals	7 mm
Torque contacts for indication terminals	0.2 N*m

Environmental

Location category	Indoor only
Operation temperature range (T _u)	-40 °C...+85 °C
Relative humidity	≤ 95 %(No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911272