



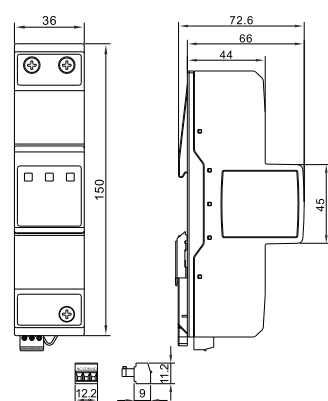
Class I+class II surge protector YSPD-25HA-440-R/1P



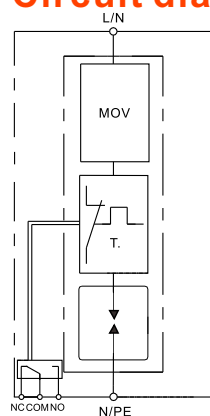
Description

Integrated I+II/1+2 level surge protector, usually installed in lightning protection zone LPZ 0_B-2 and subsequent zones, is widely used in the protection of transformers, generators, photovoltaic and wind power generation systems.

Dimension drawing



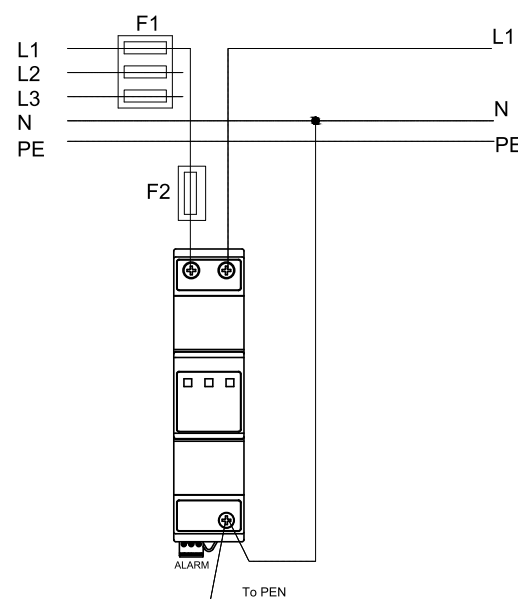
Circuit diagram



Features

- Energy automatic matching type
- Main circuit tripping is safer
- No freewheeling, no leakage current
- Fault indication Remote signal alarm

Wiring diagram



Electrical

Product model	YSPD-25HA-440-R/1P
SPD according to IEC/EN 61643-1/11	Class I+Class II
SPD according to EN 61643-11	Type 1+Type 2
SPD according to GB/T 18802.11	Class I+Class II
Number of ports	1
Technology	MOV & GAP
Nominal Voltage (U _N)	440 Vac
Max. continuous operating voltage (U _C)	440 Vac
Nominal discharge current (8/20μs) (I _N)	25 kA
Lightning impulse current (10/350μs) (I _{imp})	25 kA
Specific energy (W/R)	156.25 kJ/ohms
Charge (Q)	12.5 As
Follow current extinguishing capability (I _{fi})	Infinie
Voltage protection level (U _P)	2.4 kV
Voltage protection level for 5 kA (U _P)	2.0 kV
Response time (t _A)	≤ 100 ns
Max. overcurrent protection	≤ 250 AgL/gG
Short-circuit withstand capability (I _{SCCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	690 V/5s
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	150 mm × 36 mm × 72 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

Indication

Operating status/fault indication	Black / Red
Type of Changeover contact	Changeover contact
Switching capacity	Max(125 Vac/1 A),Min(5 V/1 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 %(max 40 °C)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911111