



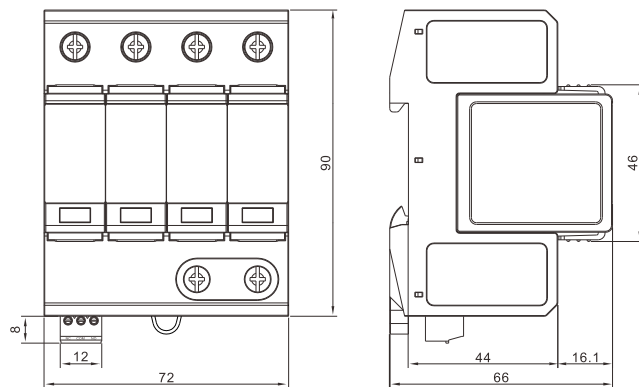
Class II surge protector YSPD-40C-440-R/3PN



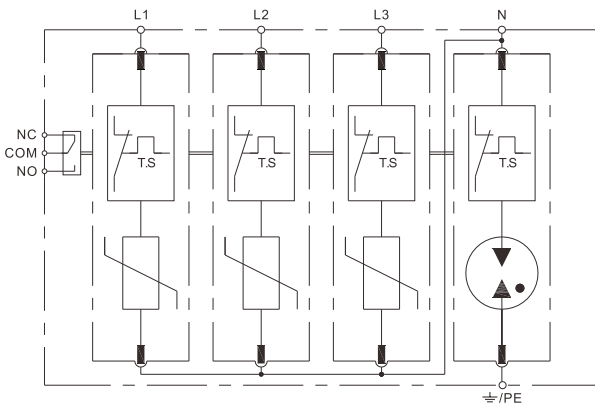
Description

Pluggable shockproof module, integrated base, Class II/Class 2 surge protector, suitable for TN and TT power distribution systems, usually installed in lightning protection zones LPZ 0B-3 and subsequent zones.

Dimension drawing



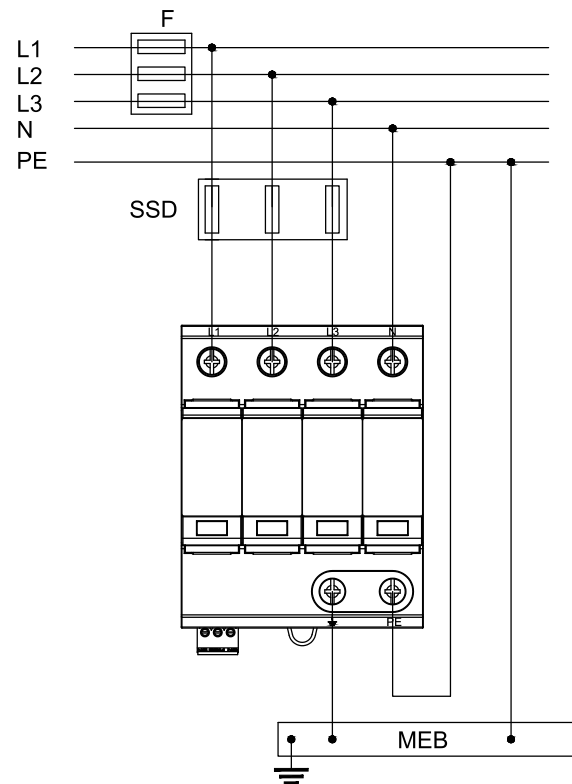
Circuit diagram



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-40C-440-R/3PN
SPD according to IEC 61643-1/11	Class II
SPD according to EN 61643-11	Type 2
SPD according to GB/T 18802.11	Class II
Number of ports	1
Technology	MOV&GDT
Nominal Voltage (U_N)	230/400 Vac
Max. continuous operating voltage (U_C)	440 Vac (L-N), 255 Vac (N-PE)
Nominal discharge current (8/20 μ s) (I_n)	20 kA
Max. discharge current (8/20 μ s) (I_{max})	40 kA
Voltage protection level (U_P)	2.0 kV (L-N), 1.5 kV (N-PE)
Voltage protection level for 5 kA (U_P)	1.6 kV
Response time (t_A)	≤ 25 ns
Special backup protection device for surge	ESCB-40TC/4P
Short-circuit withstand capability (I_{SCCR})	25 kArms
Temporary overvoltage (TOV) (U_T)	500 V/5 s
TOV characteristic	Withstand

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm $\times$ 72 mm $\times$ 66 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	Green / 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	911629