



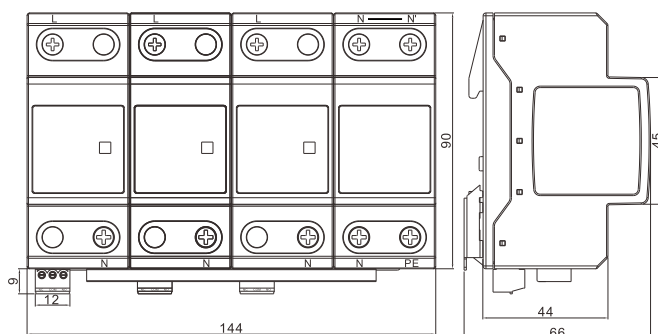
Class I+class II surge protector YSPD-50HA-320Q-R/3PN



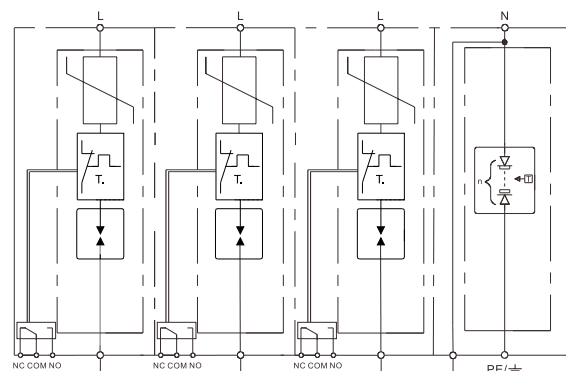
Description

Integrated I+II level/1+2 level composite surge protector, suitable for 240/415Vac TNS or TT power distribution system, usually installed in lightning protection zone LPZ 0B-2 and subsequent zones.

Dimension drawing



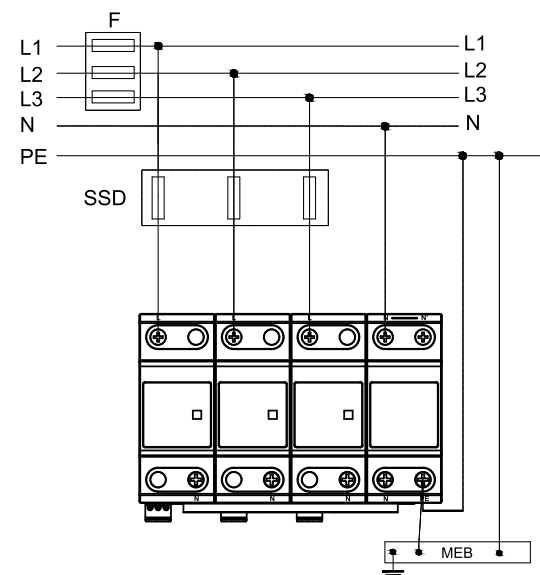
Circuit diagram



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-50HA-320Q-R/3PN
SPD according to IEC/EN 61643-11	Class I+Class II
SPD according to GB 18802.11	Type 1+Type 2
Number of ports	1
Technology	MOV&GAP
Nominal Voltage (U _N)	240 / 415 Vac
Max. continuous operating voltage (U _C)	320 Vac
Nominal discharge current (8/20μs) (I _n)	50 kA (L-N), 100 kA (N-PE)
Lightning impulse current (10/350μs) (I _{imp})	50 kA (L-N), 100 kA (N-PE)
Follow current extinguishing capability (I _{fi})	Infinite (L-N)/100 A(N-PE)
Voltage protection level (U _P)	1.8 kV(L-N), 1.5 kV(N-PE)
Voltage protection level for 5 kA (U _P)	1.2 kV
Response time (t _a)	≤ 100 ns
Special backup protection device for surge	ESCB-50TA/4P
Short-circuit withstand capability (I _{scCR})	25 kArms
Temporary overvoltage (TOV) (U _T)	480 V/120 mins(L-N), 1200 V/200 ms(N-PE)
TOV characteristic	Withstand(L-N),Withstand(N-PE)

Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 144 mm x 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(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/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 %(No condensation)
Operation altitude	≤ 4 km
Degree of protection	IP 20
Enclosure material	Thermoplastic,UL 94V-0
Product code	911416Q