



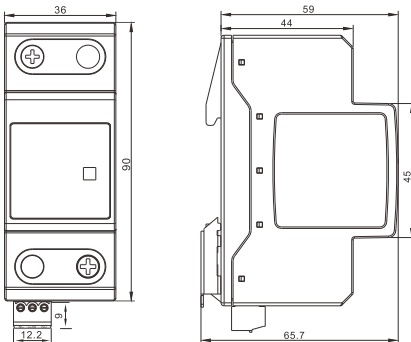
## Class II surge protector YSPD-40C-760-R/1P



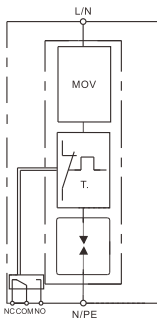
### Description

Composite type II/2 level surge protector with high voltage and large current discharge capacity is suitable for a variety of power distribution systems. It is usually installed in lightning protection zones LPZ 0B-3 and subsequent zones, and is mostly used for the protection of wind power converters and generators.

### Dimension drawing



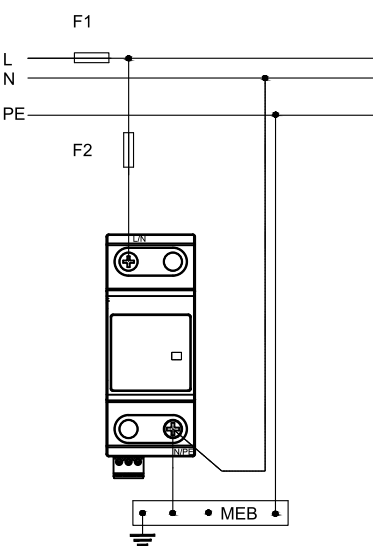
### Circuit diagram



### Features

- High voltage and high current capability
- No follow-through and no leakage current
- Reliable thermal disconnect
- Fault indication remote signal alarm

### Wiring diagram



### Electrical

Product model	YSPD-40C-760-R/1P
SPD according to IEC/EN 61643-1/11	Class II
SPD according to GB/T 18802.11	Type 2
SPD according to UL 1449	4CA
Number of ports	1
Technology	GAP&MOV
Nominal Voltage (U <sub>N</sub> )	400/690 Vac
Max. continuous operating voltage (U <sub>c</sub> )	760 Vac
Nominal discharge current (8/20μs) (I <sub>n</sub> )	20 kA
Max. discharge current (8/20μs) (I <sub>max</sub> )	40 kA
Follow current extinguishing capability (I <sub>fi</sub> )	Infinie
Voltage protection level (U <sub>p</sub> )	3.5 kV
Voltage protection level for 5kA (U <sub>p</sub> )	2.5 kV
Response time (t <sub>A</sub> )	≤ 25 ns
Max. overcurrent protection	≤ 200 AgL/gG
Short-circuit withstand capability (I <sub>scCR</sub> )	25 kArms
Temporary overvoltage (TOV) (U <sub>T</sub> )	1200 V/5s, 1000 V/120 mins
TOV characteristic	Withstand

### Mechanical

Method of mounting	35 mm DIN rail
Enclosure dimensions (HxWxD)	90 mm x 36 mm x 66 mm
Cross-sectional area (max.)	25 mm <sup>2</sup> stranded/flexible
Cross-sectional area (min.)	1.5 mm <sup>2</sup> 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 <sup>2</sup>
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 <sub>u</sub> )	-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	911133