

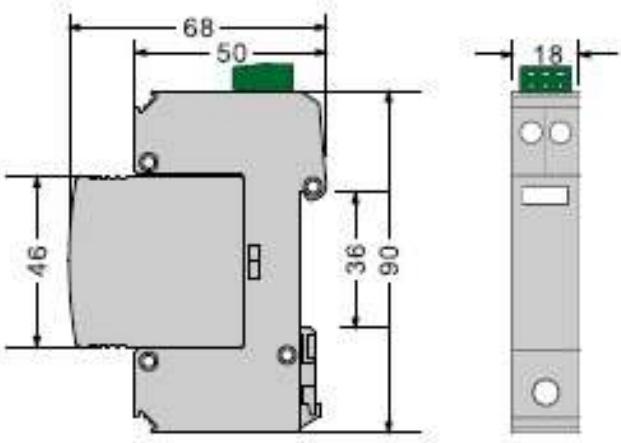
# Surge Protection Devices for Power Supply Systems

Product: SPD20C/2-275S

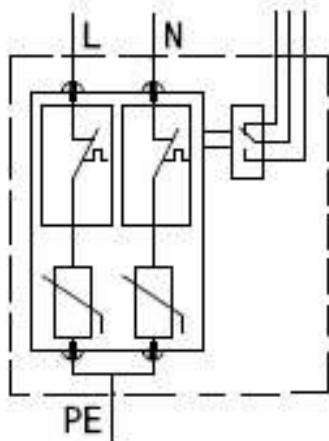


- Class II / Type 2 **surge protective devices**.
- For using in the lightning protection zones concept at boundary 1-2.
- The core parts are metal oxide varistor components with high discharge capacity.
- Reliable control thanks to Thermo Dynamic Control disconnector.
- With remote signaling contact for control device.
- Fault indication via red mark in the inspection window.
- Protection mode --- L-PE , N-PE

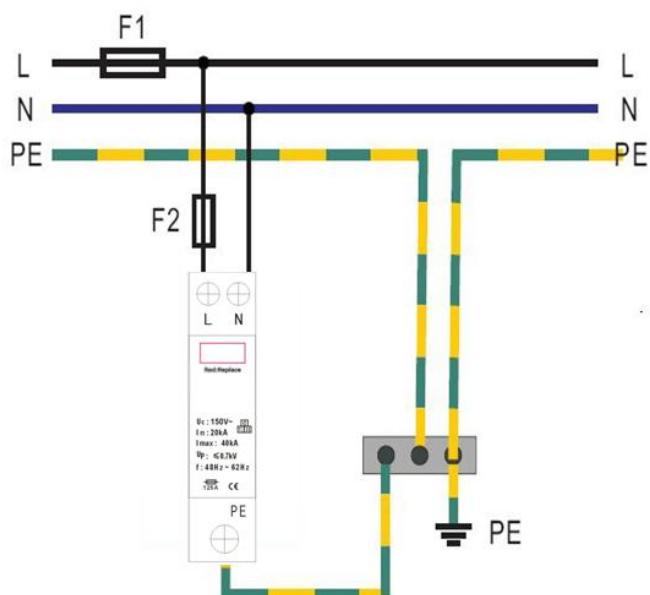
## Dimension:



## Circuit:



## Installation:



## Electrical parameters:

Model. No.	SPD20C/2-275S
SPD protection conforms to IEC 61643-11 / EN 61643-11	Type 2
SPD installation type conforms to IEC 61643-11 / EN 61643-11	Class II
Protection level conforms to DIN VDE0675-6	C
Type of Network	TT, TN
Protection mode	L→PE, N→PE
Nominal Voltage $U_N$	230 Vac/50(60)Hz
Maximum continuous operating voltage $U_c$	275 Vac/50(60)Hz
Short-circuit withstand capability $I_{scor}$	20 kA
Continuous operating current $I_c$	<20 $\mu$ A
Residual current $I_{PE}$	$\leq 20 \mu$ A dc $\leq 500 \mu$ A ac
Standby power consumption $P_c$	$\leq 25$ mVA
Maximum discharge current (8/20 $\mu$ s) $I_{max}$	40 kA
Nominal discharge current (8/20 $\mu$ s) $I_n$	20 kA
Voltage protection level $U_p$	$\leq 1.3$ kV
Isolation resistance $R_{isol}$	> 1000 M $\Omega$
Response time $t_A$	$\leq 25$ ns
Remote control contact	With
Disconnection indicator	Mechanical indicator (Green: OK, Red: Replace)
I/O Connections	By screw terminal: 10-35mm <sup>2</sup> By connection bus
Installation location	Inside
Mounting type	35mm DIN rail acc. to EN 60715
Color	Gray
Degree of protection	IP20
Housing material	UL94V-0
Ambient temperature	-40°C ~ +80°C
Altitude	$\leq 2000$ m (amsl (above mean sea level))
Permissible humidity	30%~90%