

VARISTOR SURGE PROTECTIVE DEVICE - SPMO30B+C



SPMO30B+C\4P

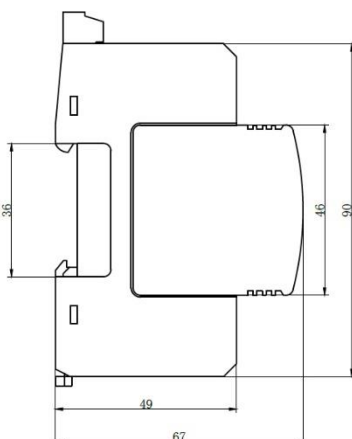
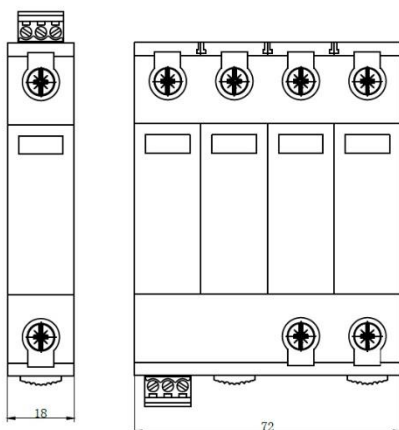
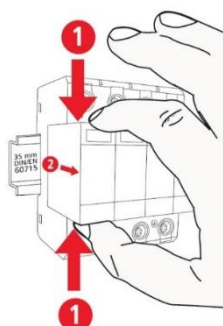
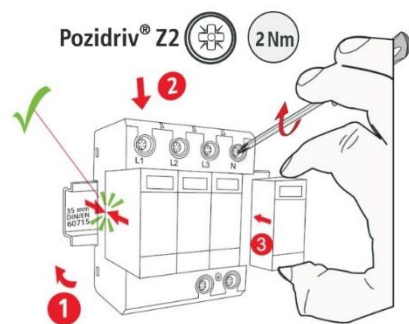


SPMO30B+C\1P

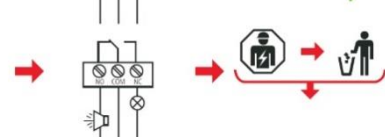
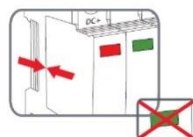
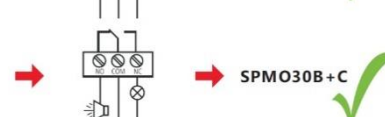
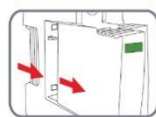
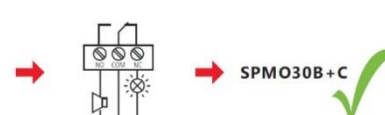
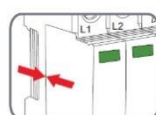


RED - replace the insert

Remote signaling	
	AC: 250 V / 0.5 A
	DC: 250 V / 0.1 A 125 V / 0.2 A 75 V / 0.5 A
	max. 1.5 mm



TECHNICAL SPECIFICATIONS:	
Surge Protective Device	Type 1 + 2, Class I + II
Network type	TN-S/TN-C
Rated voltage AC U_n	230/400V
The highest continuous operating voltage AC U_c	275V
Voltage protection level U_p	$\leq 1.5kV$
Nominal discharge current I_n (8/20 μs)	30 kA
Maximum discharge current I_{max} (8/20 μs)	60 kA
Surge discharge current I_{imp} (10/350 μs)	4.5 kA
Leakage current I_{PE}	$< 0.5mA$
Short-circuit current I_{SCCR}	20kA
Maximum additional fuse	125 gL/gG
Frequency	50/60Hz
Insulation resistance R_{ISOL}	$> 10^3 M\Omega$
Insert status	(green - OK, red - no protection)
Terminal tightening torque	2.0Nm
Cross-section of connection cables	
	solid / flexible 6.0 ... 35mm ² / 4.0 ... 25mm ²
Remote fault signaling	Yes
Operating temperature	-40° to +85°
Permissible humidity R_h	$\leq 95\%$
Mounting method	TH35 rail
Base material	PA6, UL94-V0 Flammability Test
Insert material	PBT, UL94-V0 Flammability Test
Degree of protection	IP20
Installation site	Indoor use only



Product tested in:



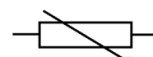
Compliance with the standard IEC/EN 61643-11



IEC/EN 61643-11

T1

T2

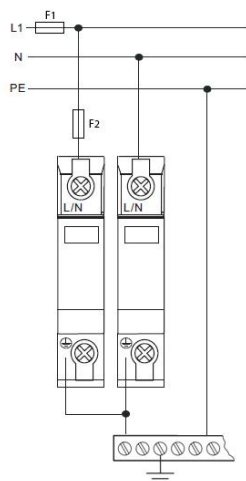


IP20

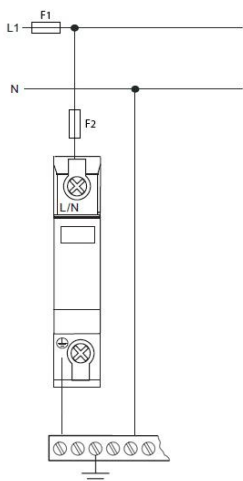
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Application in 1-phase systems

TN-S



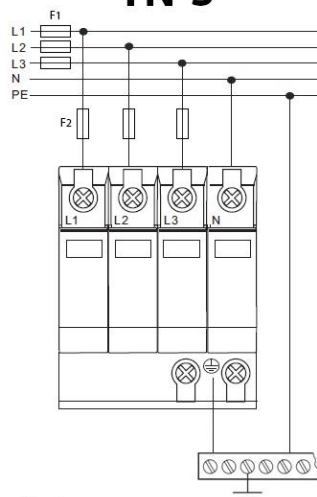
TN-C



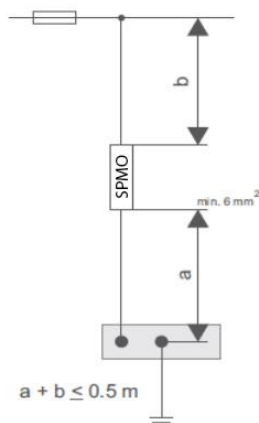
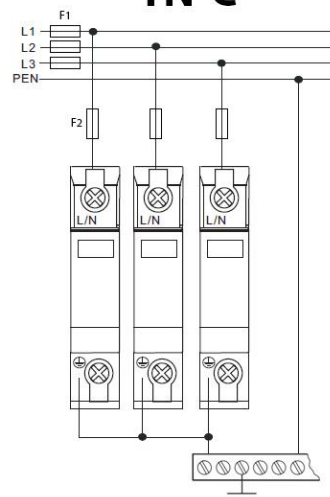
Fuse	F1	F2
	$F1 \leq 125 \text{ A}$	-----
	$F1 > 125 \text{ A}$	$F2 \leq 125 \text{ A}$

Application in 3-phase systems

TN-S



TN-C



Surge protective devices of SPMO series by Spamel are used in electrical switchboards in apartments, houses and small utility buildings. The surge protective devices are used to protect electrical installations against overvoltages caused by lightning discharges and prevent the penetration of surge currents into the power line.

Safety and assembly requirements.

Operation of the device should be carried out in accordance with the requirements set out in the regulations for the installation of electrical equipment and other technical standards for the operation, regulation and repair of electrical equipment. Installation, connection and commissioning should be performed only by qualified electrical and technical personnel who have been trained in safety, in accordance with the principles set out in the specification and technical documentation.

Importer: S.I. Spamel, Polska, 56-416 Twardogóra, ul. Wojska Polskiego 3.
 Made in the PRC.