

PSM 20 0+1

Power Line SPDs
DIN RAIL - IEC TYPE 2+3



General Data

Internal configuration	0+1
No. Poles	1-Pole
No. DIN rail modules	1
Network configuration	TT, TNS
IEC SPD Type	Class II + III
EN SPD Type	Type 2+3
Format	Pluggable
Protection Modes	N-PE
Product standards	IEC 61643-11; EN 61643-11



PART NUMBERS

PSM1-20N

77707745

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

Maximum continuous operating voltage (AC) - U_c [V]	255
Nominal voltage AC 50-60 Hz - U_n [V]	Neutral
Nominal discharge current (8/20) - I_n [kA]	10
Max Discharge Current (8/20) - I_{max} [kA]	20
Voltage protection level at I_n - U_p [kV]	$\leq 1,5$
Combined Discharge Voltage (1,2/50) (U_{oc}) [kV]	10
Maximum back-up fuse [A [gG]]	80
Following current - I_{fi} [A]	100
Response time - t_A [ns]	≤ 100
Thermal protection behaviour	OCM (Open Circuit Mode)

SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

Maximum continuous operating voltage - MCOV (L-L) [V]	1500
Maximum continuous operating voltage - MCOV (L-G) [V]	750

MECHANICAL AND ENVIRONMENTAL FEATURES

Temperature range [°C]	-40 ... 85
Humidity range [%]	5 ... 95
Indication System Type	Green (OK) / Not green (replace)
Insulating material	PA66 CT1
Enclosure - IP	IP20
Flammability class	UL94 V-0
Solid conductor cross section	6...35 mm ²
Stranded conductor cross section	6...25 mm ²
Torque rating [N m]	3

DATASHEET

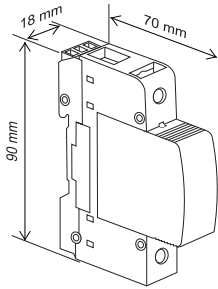
This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2024 Cirprotec SLU | All rights reserved

cirprotec

PSM 20 0+1

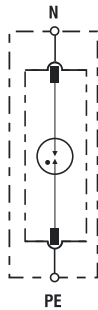
Power Line SPDs
DIN RAIL - IEC TYPE 2+3

DIMENSIONS AND WEIGHT



Net Weight [kg]	0.093
Gross weight [kg]	0.117
Packaging dimensions (H x W x L) [mm]	117 × 24 × 90

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

PSM-20N(Neutral)	77707663
------------------	----------

DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2024 Cirprotec SLU | All rights reserved