

PSM 20 PLC 1+1

Power Line SPDs

DIN RAIL - IEC TYPE 2+3



General Data

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



PART NUMBERS

XXX	230
PSM2-20/XXX PLC TT	77707980
PSM2-20/XXX PLC TT IR (with Remote Indication)	77707981

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

PSM2-20/XXX PLC TT, PSM2-20/XXX PLC TT IR (with Remote Indication)	230
Maximum continuous operating voltage (AC) - Uc (L-N) [V]	275
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]	255
Nominal voltage AC 50-60 Hz - Un [V]	230
Nominal voltage AC 50-60 Hz - Un(L-L) [V]	400
Nominal voltage AC 50-60 Hz - Un(L-N) [V]	230
Nominal discharge current (8/20) - In (L-N) [kA]	10
Nominal discharge current (8/20) - In (N-PE) [kA]	10
Max Discharge Current (8/20) - I _{max} (L-N) [kA]	20
Max Discharge Current (8/20) - I _{max} (N-PE) [kA]	20
Voltage protection level at In - Up (L-N) [kV]	≤1,5
Voltage protection level at In - Up (N-PE) [kV]	≤1,5
Combined Discharge Voltage (1,2/50) (Uoc) [kV]	10
Maximum back-up fuse [A [gG]]	80
Short circuit withstand- I _{scrr} [kA]	25
Following current - I _{fi} [A]	100
Response time - t _A (L-N) [ns]	≤100
Response time - t _A (N-PE) [ns]	≤100
Dynamic thermal disconnection	Yes
Thermal protection behaviour	OCM (Open Circuit Mode)

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

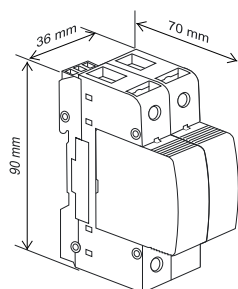
cirprotec

PSM 20 PLC 1+1

MECHANICAL AND ENVIRONMENTAL FEATURES

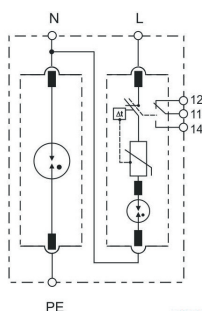
PSM2-20/XXX PLC TT, PSM2-20/XXX PLC TT IR (with Remote Indication)	230
Temperature range [°C]	-40 ... 85
Humidity range [%]	5 ... 95
Indication System Type	Green (OK) / Not green (replace)
Insulating material	PA66 CT1
Enclosure - IP	IP20
Flammability class	UL94 V-0
Solid conductor cross section	6...35 mm ²
Stranded conductor cross section	6...25 mm ²
Torque rating [N m]	3
Remote indication conductor cross section [mm ²]	0.08 ... 1.5
Remote indication switching capacity [V/A]	AC: 125/0.2 DC: 250/1
Remote Indication Torque [N m]	0.2

DIMENSIONS AND WEIGHT



PSM2-20/XXX PLC TT PSM2-20/XXX PLC TT IR (with Remote Indication)	230
Net Weight [kg]	0.245
Gross weight [kg]	0.295
Packaging dimensions (H x W x L) [mm]	117 × 42 × 90

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

PSM2-20/XXX PLC TT PSM2-20/XXX PLC TT IR (with Remote Indication)	230
PSM-20/XXX PLC (Line)	77707670
PSM-20N (Neutral)	77707663