

PSM 20 PLC 3+0

Power Line SPDs

DIN RAIL - IEC TYPE 2+3



General Data

Internal configuration	3+0
No. Poles	3-Pole
No. DIN rail modules	3
Network configuration	TNC
IEC SPD Type	Class II + III
EN SPD Type	Type 2+3
Format	Pluggable
Leakage current free - LCF	Yes
Product standards	IEC 61643-11; EN 61643-11



PART NUMBERS

XXX	400
PSM3-20/XXX PLC TNC	77707982
PSM3-20/XXX PLC TNC IR (with Remote Indication)	77707983

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

PSM3-20/XXX PLC TNC, PSM3-20/XXX PLC TNC IR (with Remote Indication)	400
Maximum continuous operating voltage (AC) - Uc [V]	275
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 [kA]	10
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) - Imax [kA]	20
Voltage protection level at In - Up [kV]	≤1,5
Combined Discharge Voltage (1,2/50) (Uoc) [kV]	10
Maximum back-up fuse [A [gG]]	80
Response time - tA [ns]	≤100
Dynamic thermal disconnection	Yes
Thermal protection behaviour	OCM (Open Circuit Mode)

MECHANICAL AND ENVIRONMENTAL FEATURES

PSM3-20/XXX PLC TNC, PSM3-20/XXX PLC TNC IR (with Remote Indication)	400
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

DATASHEET

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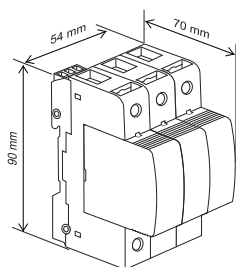
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Continue PSM3-20/XXX PLC TNC, PSM3-20/XXX PLC TNC IR (with Remote Indication)

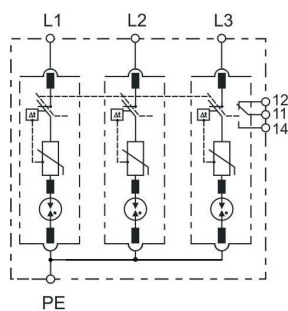
PSM3-20/XXX PLC TNC, PSM3-20/XXX PLC TNC IR (with Remote Indication)	400
Solid conductor cross section	6...35 mm ²
Stranded conductor cross section	6...25 mm ²
Torque rating [N m]	3

DIMENSIONS AND WEIGHT



PSM3-20/XXX PLC TNC PSM3-20/XXX PLC TNC IR (with Remote Indication)	400
Net Weight [kg]	0.278
Gross weight [kg]	0.305
Packaging dimensions (H x W x L) [mm]	117 × 63 × 90

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

PSM3-20/XXX PLC TNC PSM3-20/XXX PLC TNC IR (with Remote Indication)	400
PSM-20/XXX PLC (Line)	77707670