

PSM 20 2+0

Power Line SPDs
DIN RAIL - IEC TYPE 2+3



General Data

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



PART NUMBERS

XXX	120	230	277
PSM2-20/XXX TNS	77707900	77707902	77707912
PSM2-20/XXX TNS IR (with Remote Indication)	77707901	77707903	77707913

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

PSM2-20/XXX TNS, PSM2-20/XXX TNS IR (with Remote Indication)	120	230	277
Maximum continuous operating voltage (AC) - U _c [V]	150	320	
Nominal voltage AC 50-60 Hz - U _n [V]	120	230	277
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]	≤0,8	≤1,4	
Combined Discharge Voltage (1,2/50) (U _{oc}) [kV]		10	
Maximum back-up fuse [A [gG]]		80	
Response time - t _A [ns]		≤25	
Dynamic thermal disconnection		Yes	
Thermal protection behaviour		OCM (Open Circuit Mode)	

MECHANICAL AND ENVIRONMENTAL FEATURES

PSM2-20/XXX TNS, PSM2-20/XXX TNS IR (with Remote Indication)	120	230	277
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	

DATASHEET

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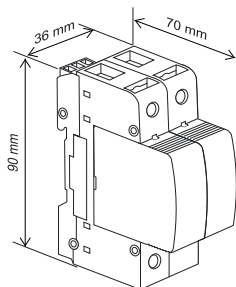
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Continue PSM2-20/XXX TNS, PSM2-20/XXX TNS IR (with Remote Indication)

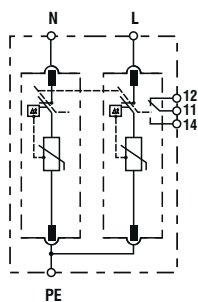
PSM2-20/XXX TNS, PSM2-20/XXX TNS IR (with Remote Indication)	120	230	277
Remote Indication Torque [N m]		0.2	

DIMENSIONS AND WEIGHT



PSM2-20/XXX TNS PSM2-20/XXX TNS IR (with Remote Indication)	120	230	277
Net Weight [kg]	0.187	0.195	0.26
Gross weight [kg]	0.217	0.226	0.305
Packaging dimensions (H x W x L) [mm]	117 × 42 × 90		

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

PSM2-20/XXX TNS PSM2-20/XXX TNS IR (with Remote Indication)	120	230	277
PSM-20/XXX (Line)	77707650	77707651	77707669