

# PSC 12,5 1+1

Power Line SPDs

DIN RAIL - IEC TYPE 1+2



## General Data

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



## PART NUMBERS

XXX	120	230
PSC2-12,5/XXX TT	77738200	77738205
PSC2-12,5/XXX TT IR (with Remote Indication)	77738201	77738206

## SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

PSC2-12,5/XXX TT, PSC2-12,5/XXX TT IR (with Remote Indication)	120	230
Maximum continuous operating voltage (AC) - Uc (L-N) [V]	150	275
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]		255
Nominal voltage AC 50-60 Hz - Un [V]	120	230
Nominal voltage AC 50-60 Hz - Un(L-L) [V]	208	400
Nominal voltage AC 50-60 Hz - Un(L-N) [V]	120	230
Nominal discharge current (8/20) - In (L-N) [kA]		20
Nominal discharge current (8/20) - In (N-PE) [kA]		25
Max Discharge Current (8/20) - I <sub>max</sub> (L-N) [kA]		65
Max Discharge Current (8/20) - I <sub>max</sub> (N-PE) [kA]		65
Lightning impulse current (10/350) - I <sub>imp</sub> (L-N) [kA]		12.5
Lightning impulse current (10/350) - I <sub>imp</sub> (N-PE) [kA]		25
Voltage protection level at In - Up (L-N) [kV]	≤1	≤1,3
Voltage protection level at In - Up (N-PE) [kV]		≤1,5
Maximum back-up fuse [A [gG]]		200
Short circuit withstand- I <sub>scCR</sub> [kA]		25
Following current - I <sub>fi</sub> [A]		100
Response time - t <sub>A</sub> (L-N) [ns]		≤25
Response time - t <sub>A</sub> (N-PE) [ns]		≤100
Dynamic thermal disconnection		Yes
Thermal protection behaviour		OCM (Open Circuit Mode)

## DATASHEET

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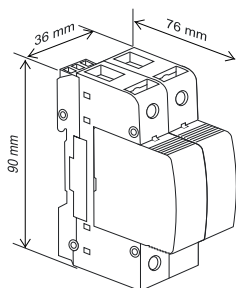
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## MECHANICAL AND ENVIRONMENTAL FEATURES

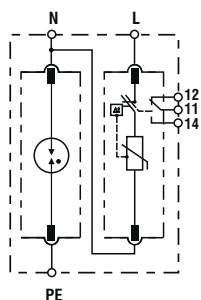
PSC2-12,5/XXX TT, PSC2-12,5/XXX TT IR (with Remote Indication)	120	230
Temperature range [°C]	-40 ... 85	
Humidity range [%]	5 ... 95	
Indication System Type	Green (OK) / Not green (replace)	
Insulating material	PA66 CT1	
Enclosure - IP	IP20	
Flammability class	UL94 V-0	
Solid conductor cross section	6...35 mm <sup>2</sup>	
Stranded conductor cross section	6...25 mm <sup>2</sup>	
Torque rating [N m]	3	
Remote indication conductor cross section [mm <sup>2</sup> ]	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



PSC2-12,5/XXX TT PSC2-12,5/XXX TT IR (with Remote Indication)	120	230
Net Weight [kg]	0.286	0.273
Gross weight [kg]	0.308	0.303
Packaging dimensions (H x W x L) [mm]	117 x 42 x 90	

## INTERNAL CONFIGURATION



## REPLACEMENT CARTRIDGES

PSC2-12,5/XXX TT PSC2-12,5/XXX TT IR (with Remote Indication)	120	230
PSC-12,5/XXX (Line)	77738600	77738601
PSC-25N (Neutral)	77738613	