

# PSC 12,5 1+0

Power Line SPDs

DIN RAIL - IEC TYPE 1+2



## General Data

Internal configuration	1+0
No. Poles	1-Pole
No. DIN rail modules	1
Network configuration	TNS, TNC, TT (only L-N)
IEC SPD Type	Class I+II
EN SPD Type	Type 1+2
Format	Pluggable
Protection Modes	L - N / L-PE / N-PE
Product standards	IEC 61643-11; EN 61643-11



## PART NUMBERS

XXX	120	230	277	400
PSC1-12,5/XXX	77738100	77738105	77738112	77738110
PSC1-12,5/XXX IR (with Remote Indication)	77738101	77738106	77738113	77738111

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

PSC1-12,5/XXX, PSC1-12,5/XXX IR (with Remote Indication)	120	230	277	400
Maximum continuous operating voltage (AC) - Uc [V]	150	275	320	440
Nominal voltage AC 50-60 Hz - Un [V]	120	230	277	400
Nominal discharge current (8/20)- In [kA]			20	
Max Discharge Current (8/20) - Imax [kA]			65	
Lightning impulse current (10/350) - Iimp [kA]			12.5	
Voltage protection level at In - Up [kV]	≤1	≤1,3	≤1,4	≤1,8
Voltage protection level - Ures (L-N) at 10kA [kV]	0.6			
Voltage protection level- Ures (L-N) at 5kA [kV]	0.5			
Maximum back-up fuse [A [gG]]			200	
Short circuit withstand- Isccr [kA]			25	
Response time - tA [ns]			≤25	
Dynamic thermal disconnection			Yes	
Thermal protection behaviour			OCM (Open Circuit Mode)	

## MECHANICAL AND ENVIRONMENTAL FEATURES

PSC1-12,5/XXX, PSC1-12,5/XXX IR (with Remote Indication)	120	230	277	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	
Solid conductor cross section			6...35 mm <sup>2</sup>	
Stranded conductor cross section			6...25 mm <sup>2</sup>	

## DATASHEET

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# PSC 12,5 1+0

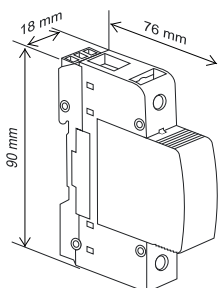
Power Line SPDs

DIN RAIL - IEC TYPE 1+2

Continue PSC1-12,5/XXX, PSC1-12,5/XXX IR (with Remote Indication)

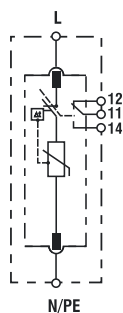
PSC1-12,5/XXX, PSC1-12,5/XXX IR (with Remote Indication)	120	230	277	400
Torque rating [N m]			3	
Remote indication conductor cross section [mm <sup>2</sup> ]		0.08 ... 1.5		
Remote indication switching capacity [V/A]		AC: 125/0.2 DC: 250/1		
Remote Indication Torque [N m]		0.2		

## DIMENSIONS AND WEIGHT



PSC1-12,5/XXX PSC1-12,5/XXX IR (with Remote Indication)	120	230	277	400
Net Weight [kg]	0.154	0.182	0.235	
Gross weight [kg]	0.167	0.205	0.21	0.29
Packaging dimensions (H x W x L) [mm]	117 × 24 × 90			

## INTERNAL CONFIGURATION



## REPLACEMENT CARTRIDGES

PSC1-12,5/XXX PSC1-12,5/XXX IR (with Remote Indication)	120	230	277	400
PSC-12,5/XXX (Line)	77738600	77738601	77738603	77738602