

PSC YPV

Photovoltaic & Energy Storage SPDs
DIN RAIL - IEC TYPE 1+2 PV



General Data

Internal configuration	+,-,PE
No. DIN rail modules	3
Network configuration	YPV
IEC SPD Type	Class I+II
EN SPD Type	PV Type 1+2
UL SPD Type	Type 1 Component Assembly
Format	Pluggable
Protection Modes	L+/PE, L-/PE, L+/L-
Product standards	IEC/EN 61643-31; UL 1449 5th Edition



PART NUMBERS

XXXX	1000	1500
PSC3-5/XXXX PV	77738377	77738652
PSC3-5/XXXX PV IR (with Remote Indication)	77738378	77738653

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

PSC3-5/XXXX PV, PSC3-5/XXXX PV IR (with Remote Indication)	1000	1500
Maximum continuous operating voltage (DC) - Ucpv [V]	1060	1500
Nominal discharge current (8/20)- In [kA]		20
Max Discharge Current (8/20) - Imax [kA]		40
Lightning impulse current (10/350) - Iimp [kA]		5
Voltage protection level at In - Up (L-L) [kV]	≤4	≤5
Voltage protection level at In - Up (L-PE) [kV]	≤4	≤5
Short Circuit Withstand- Iscpv [kA]		10
Response time - tA [ns]		≤25
Dynamic thermal disconnection		Yes
Thermal protection behaviour	OCM (Open Circuit Mode)	

SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

PSC3-5/XXXX PV, PSC3-5/XXXX PV IR (with Remote Indication)	1000	1500
Nominal discharge current (8/20) - In [kA]		20
Maximum continuous operating voltage - MCOV (DC DC-) [V]	1000	1500
Maximum continuous operating voltage - MCOV (DC+ G) [V]	1000	1500
Maximum continuous operating voltage - MCOV (DC- G) [V]	1000	1500
Voltage protection rating - VPR (DC- G) [V]	2500	4000
Voltage protection rating - VPR (DC+ DC-) [V]	2500	4000
Voltage protection rating - VPR (DC+ G) [V]	2500	4000
Short-Circuit Current Rating-SCCR [kA]	50	65

DATASHEET

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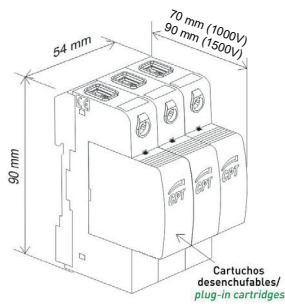
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MECHANICAL AND ENVIRONMENTAL FEATURES

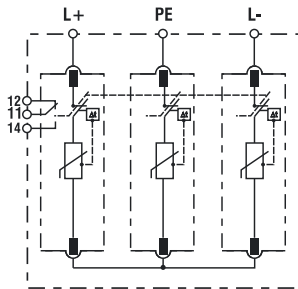
PSC3-5/XXXX PV, PSC3-5/XXXX PV IR (with Remote Indication)	1000	1500
Temperature range [°C]	-40 ... 85	
Humidity range [%]	5 ... 95	
Indication System Type	Green (OK) / Not green (replace)	
Insulating material	PA66 CT1	
Enclosure - IP	IP20	
Flammability class	UL94 V-0	
Solid conductor cross section	6...35 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: 125/3 DC: 250/1	
Remote Indication Torque [N m]	0.2	

DIMENSIONS AND WEIGHT



PSC3-5/XXXX PV PSC3-5/XXXX PV IR (with Remote Indication)	1000	1500
Net Weight [kg]	0.372	0.461
Gross weight [kg]	0.411	0.52
Packaging dimensions (H x W x L) [mm]	117 × 63 × 90	120 × 102 × 57

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

PSC3-5/XXXX PV PSC3-5/XXXX PV IR (with Remote Indication)	1000	1500
PSC-5/XXXX PV (Line)	77738643	77738656

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