Surge-Trap® Pluggable T2 - AC 3P Reinforced

Photovoltaic & Energy Storage SPDs
DIN RAIL - IEC AC Reinforced



General Data

Internal configuration	3+0 R
No. Poles	4-Pole
No. DIN rail modules	4
Network configuration	TNC
IEC SPD Type	Class II
EN SPD Type	Type 2
UL SPD Type	Type 2 Component Assembly
Format	Pluggable
Protection Modes	L-PE(N)
Product standards	*IEC/EN 61643-11*UL 1449 5th Edition

PART NUMBERS

XXX	750 *	850
STPT2-30KXXXV-3P-R	83020213	83020201
STPT2-30KXXXV-3P-RM (with Microswitch)	83020214	83020202

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

STPT2-30KXXXV-3P-R, STPT2-30KXXXV-3P-RM (with Microswitch)	750	850
Maximum continuous operating voltage (AC) - Uc [V]	1500	1700
Nominal voltage AC 50-60 Hz - Un [V]	480/830	
Nominal discharge current (8/20)- In [kA]	15	
Max Discharge Current (8/20) - Imax [kA]	30	
Maximum peak voltage withstand (DC) (L-PE) - Upeak (L-PE) [V]	1900	2200
Voltage protection level at In - Up [kV]	≤6	
Maximum back-up fuse [A [gG]]	80	
Short circuit withstand- Isccr [kA]	25	
Response time - tA [ns]	≤25	
Dynamic thermal disconnection	Yes	
Thermal protection behaviour	OCM (Open Circuit Mode)	

SURGE PROTECTION DEVICE (SPD) - UL TECHNICAL FEATURES

STPT2-30KXXXV-3P-R, STPT2-30KXXXV-3P-RM (with Microswitch)	750	850
Nominal discharge current (8/20) - In [kA]		10
Maximum continuous operating voltage - MCOV (L-L) [V]		1700
Maximum continuous operating voltage - MCOV (L-G) [V]		1700
Voltage protection rating - VPR (L-L) [V]		5000
Voltage protection rating - VPR (L-G) [V]		5000
Short-Circuit Current Rating-SCCR [kA]		50

*No UL certification.

DATASHEET

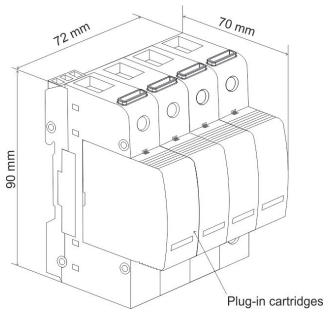
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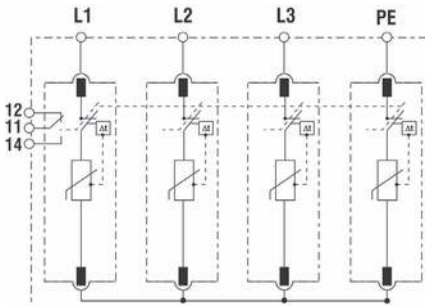
MECHANICAL AND ENVIRONMENTAL FEATURES		
STPT2-30KXXXV-3P-R, STPT2-30KXXXV-3P-RM (with Microswitch)	750	850
Temperature range [ºC]	-40 ... 85	
Humidity range [%]	5 ... 95	
Indication System Type	Green (OK) / Not green (replace)	
Insulating material	PA66 CT1	
Enclosure - IP	IP20	
Flammability class	UL94 V-0	
Solid conductor cross section	6...35 mm²	
Stranded conductor cross section	6…25 mm²	
Torque rating [N m]	3	
Remote indication conductor cross section [mm²]	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



STPT2-30KXXXV-3P-R STPT2-30KXXXV-3P-RM (with Microswitch)	750	850
Net Weight [kg]	0.438	0.515
Gross weight [kg]	0.468	0.56
Packaging dimensions (H x W x L) [mm]	117 × 78 × 90	

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

STPT2-30KXXXV-3P-R STPT2-30KXXXV-3P-RM (with Microswitch)	750	850
SP2-30KXXXV (Line)	83020007	83020022

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