Surge-Trap® Pluggable - STPT2 TERRA 2P

Power Line SPDs with Grounding Monitor

DIN RAIL - IEC TYPE 2 w/GM



Indicative product image

General Data

Internal configuration	1+1
No. Poles	2-Pole
No. DIN rail modules	2
Network configuration	TT, TNS
IEC SPD Type	Class II
EN SPD Type	Type 2
Format	Pluggable
Protection Modes	L - N / N-PE
Product standards	*IEC/EN 61643-11 *EN 61557-3 *EN 61010:1

PART NUMBERS

STPT2-40K275V-2P-TE	83020183

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

Maximum continuous operating voltage (AC) - Uc (L-N) [V]	275
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]	265
Nominal voltage AC 50-60 Hz - Un [V]	230
Nominal discharge current (8/20)- In [kA]	20
Nominal discharge current (8/20) - In (L-N) [kA]	20
Max Discharge Current (8/20) - Imax [kA]	40
Voltage protection level at In - Up (L-N) [kV]	≤1,3
Voltage protection level at In - Up (N-PE) [kV]	≤1,5
Maximum back-up fuse [A [gG]]	125
Short circuit withstand- Isccr [kA]	25
Short circuit withstand (DC) - Isccr	0
Following current - Ifi [A]	100
Response time - tA (L-N) [ns]	≤25
Response time - tA (N-PE) [ns]	≤100
Dynamic thermal disconnection	Yes

TECHNICAL FEATURES

Power consumption [VA]	1.6

MECHANICAL AND ENVIRONMENTAL FEATURES

Temperature range [ºC]	-30 ... 80
Indication System Type	Green (OK) / Not green (replace), LED
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

DATASHEET

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Continue MECHANICAL AND ENVIRONMENTAL FEATURES

Torque rating [N m]	3

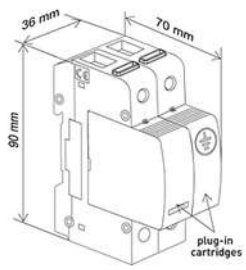
MAIN INDICATIONS

Steady	· Correct wiring · Surge protection operating at its maximum effectiveness
Flashing	· Incorrect wiring (single-phase)
Steady	· Surge protection is not operating at its maximum effectiveness
Steady	· Ineffective surge protection
Flashing	· Incorrect wiring · Without earthing connection and no surge protection · Check installation · Potential security risk

ADDITIONAL INDICATIONS

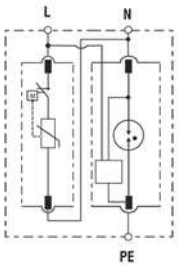
	· Permanent undervoltage <195V
	· Permanent overvoltage >275V
	· High potential neutral-ground

DIMENSIONS AND WEIGHT



Net Weight [kg]	0.209
Gross weight [kg]	0.241
Packaging dimensions (H x W x L) [mm]	117 × 42 × 90

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

SP2-40K**XXX**V (Line)	83020002

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Surge-Trap® Pluggable - STPT2 TERRA 4P

Power Line SPDs with Grounding Monitor

DIN RAIL - IEC TYPE 2 w/GM



Indicative product image

General Data

Internal configuration	3+1
No. Poles	4-Pole
No. DIN rail modules	4
Network configuration	TT, TNS
IEC SPD Type	Class II
EN SPD Type	Type 2
Format	Pluggable
Protection Modes	L-N / N-PE
Product standards	*IEC/EN 61643-11 *EN 61557-3 *EN 61010:1

PART NUMBERS

STPT2-40K275V-4P-TE	83020185

SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

Maximum continuous operating voltage (AC) - Uc (L-N) [V]	275
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]	265
Nominal voltage AC 50-60 Hz - Un [V]	230/400
Nominal voltage AC 50-60 Hz - Un(L-L) [V]	400
Nominal voltage AC 50-60 Hz - Un(L-N) [V]	230
Nominal discharge current (8/20)- In [kA]	20
Nominal discharge current (8/20) - In (L-N) [kA]	20
Max Discharge Current (8/20) - Imax [kA]	40
Max Discharge Current (8/20) - Imax (L-N) [kA]	40
Voltage protection level at In - Up (L-N) [kV]	≤1,3
Voltage protection level at In - Up (N-PE) [kV]	≤1,5
Maximum back-up fuse [A [gG]]	125
Short circuit withstand- Isccr [kA]	25
Short circuit withstand (DC) - Isccr	0
Following current - Ifi [A]	100
Response time - tA (L-N) [ns]	≤25
Response time - tA (N-PE) [ns]	≤100
Dynamic thermal disconnection	Yes

TECHNICAL FEATURES

Power consumption [VA]	1.6

MECHANICAL AND ENVIRONMENTAL FEATURES

Temperature range [ºC]	-30 ... 80
Indication System Type	Green (OK) / Not green (replace), LED
Insulating material	PA66 CT1
Enclosure - IP	IP20

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Continue MECHANICAL AND ENVIRONMENTAL FEATURES

Flammability class	UL94 V-0
Solid conductor cross section	6...35 mm²
Stranded conductor cross section	6…25 mm²
Torque rating [N m]	3

MAIN INDICATIONS

Steady	· Correct wiring · Surge protection operating at its maximum effectiveness
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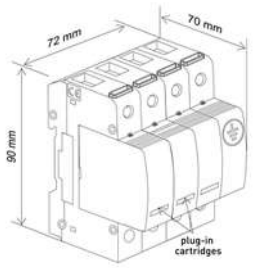
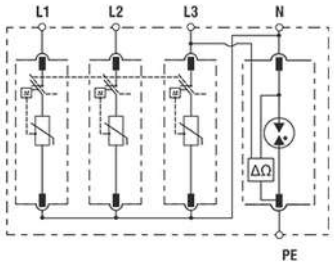
DIMENSIONS AND WEIGHT



Net Weight [kg]	0.387
Gross weight [kg]	0.431
Packaging dimensions (H x W x L) [mm]	117 × 78 × 90

INTERNAL CONFIGURATION



REPLACEMENT CARTRIDGES

SP2-40K**XXX**V (Line)	83020002

DATASHEET

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