

Surge-Trap® STL T23 C2 PP

LED Lighting SPDs

Outdoor LED - Luminarie - TYPE 2+3



General Data

Internal configuration	C2
Network configuration	TT, TN, IT
IEC SPD Type	Class II + III
EN SPD Type	Type 2+3
Format	Hardwired
Product standards	*IEC 61643-11 *EN 61643-11



PART NUMBERS

STLT23-10K320V-C2-PP	83230330
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SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

Maximum continuous operating voltage (AC) - U_c [V]	320
Nominal voltage AC 50-60 Hz - U_n [V]	230/400
Nominal voltage AC 50-60 Hz - $U_n(L-N)$ [V]	230
Nominal discharge current (8/20)- I_n [kA]	5
Max Discharge Current (8/20) - I_{max} [kA]	10
Rated current load - I_L [A]	5
Voltage protection level at I_n - U_p [kV]	$\leq 1,5$
Combined Discharge Voltage (1,2/50) (U_{oc}) [kV]	10
Maximum back-up fuse [A [gG]]	25
Short circuit withstand- I_{sc} [kA]	10
Response time - t_A (L-N) [ns]	≤ 25
TOV 5s (LV systems, withstand)- $U_t(L-N)$ [V]	337
TOV 120min (LV systems, withstand) - U_t (L-N) [V]	442
Dynamic thermal disconnection	Yes

MECHANICAL AND ENVIRONMENTAL FEATURES

Temperature range [°C]	-40 ... 85
Indication System Type	LED
Insulating material	PA66 CT1
Enclosure - IP	IP20
Flammability class	UL94 V-0
Wire Connections	Push in (in and out)
Solid conductor cross section	0,5...4 mm ²
Stranded conductor cross section	0,5...1,5 mm ²

DATASHEET

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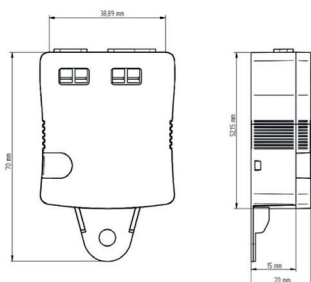
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Surge-Trap[®] STL T23 C2 PP

LED Lighting SPDs

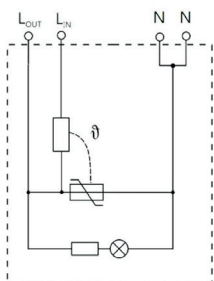
Outdoor LED - Luminarie - TYPE 2+3

DIMENSIONS AND WEIGHT



Net Weight [kg]	0.035
Gross weight [kg]	0.061
Packaging dimensions (H x W x L) [mm]	117 × 24 × 90

INTERNAL CONFIGURATION



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Surge-Trap® STL T23 C4 PP

LED Lighting SPDs

Outdoor LED - Luminarie - TYPE 2+3



General Data

Internal configuration	C4
Network configuration	TT, TN
IEC SPD Type	Class II + III
EN SPD Type	Type 2+3
Format	Hardwired
Product standards	*IEC 61643-11 *EN 61643-11



PART NUMBERS

STLT23-10K320V-C4-PP	83230333
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SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

Maximum continuous operating voltage (AC) - Uc (L-N) [V]	320
Maximum continuous operating voltage (AC) - Uc (N-PE) [V]	255
Nominal voltage AC 50-60 Hz - Un [V]	230/400
Nominal voltage AC 50-60 Hz - Un(L-N) [V]	230
Nominal discharge current (8/20)- In [kA]	5
Nominal discharge current (8/20) - In (L-N) [kA]	5
Max Discharge Current (8/20) - Imax (L-N) [kA]	10
Rated current load - IL [A]	5
Voltage protection level at In - Up [kV]	≤1,5
Voltage protection level at In - Up (L-N) [kV]	≤1,5
Voltage protection level at In - Up (L-PE) [kV]	≤1,8
Voltage protection level at In - Up (N-PE) [kV]	≤1,8
Combined Discharge Voltage (1,2/50) (Uoc) [kV]	10
Maximum back-up fuse [A [gG]]	25
Short circuit withstand- Isccr [kA]	10
Residual current- Ipe [μA]	<10
Response time - tA (L-N) [ns]	≤25
Response time - tA (N-PE) [ns]	≤100
TOV 5s (LV systems, withstand) - Ut [V]	442
TOV 5s (LV systems, withstand)- Ut(L-N) [V]	337
TOV 120min (LV systems, withstand) - Ut (L-N) [V]	442
TOV 200ms (HV systems, withstand)- Ut [V]	1455
Dynamic thermal disconnection	Yes

MECHANICAL AND ENVIRONMENTAL FEATURES

Temperature range [°C]	-40 ... 85
Indication System Type	LED

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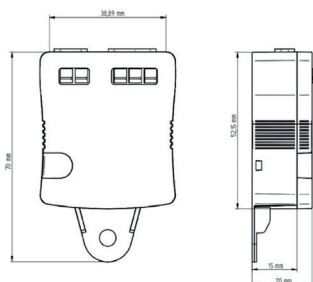
LED Lighting SPDs

Outdoor LED - Luminarie - TYPE 2+3

Continue MECHANICAL AND ENVIRONMENTAL FEATURES

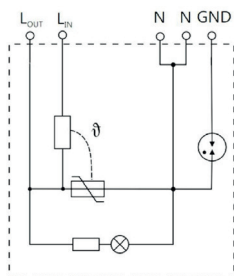
Insulating material	PA66 CT1
Enclosure - IP	IP20
Flammability class	UL94 V-0
Wire Connections	Push in (in and out)
Solid conductor cross section	0,5...4 mm ²
Stranded conductor cross section	0,5...1,5 mm ²

DIMENSIONS AND WEIGHT



Net Weight [kg]	0.038
Gross weight [kg]	0.039
Packaging dimensions (H x W x L) [mm]	400 x 240 x 105

INTERNAL CONFIGURATION



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