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Especialistas en Automatización

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Type 2 surge arrester - BLT-T2-320-UT - 2906100

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Type 2 surge arrester for universal mounting in lights and cable connection boxes. Specifically for insulation class II with optical fault indication. Installation in branch or through wiring. Version: 230 V AC

Why buy this product

- L' signals the failure of the surge protective device due to disconnection of the power supply to the lights.
- Universal use for street, tunnel or object lighting
- Flexible installation
- Fixed via integrated elongated holes
- compact design
- Optical status indicator
- Stub or through-wiring connection
- Double or reinforced insulation



Key Commercial Data

Packing unit	10 STK
GTIN	 4 055626 058078

Technical data

Dimensions

Height	56 mm
Width	36.5 mm
Depth	34 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %

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Technical data

General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012
IEC test classification	II / III
	T2 / T3
	T3
EN type	T2 / T3
	T3
IEC power supply system	TT
Number of ports	One
SPD design	Voltage-limiting type
Mode of protection	L-N
Mounting type	4 mm screw
Color	traffic grey A RAL 7042
Housing material	PA 6.6
Degree of pollution	2
Flammability rating according to UL 94	V-0
Protection class	II
Type	Installation module
Surge protection fault message	optical

Protective circuit

Nominal voltage U_N	100 V AC ... 277 V AC
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	320 V AC
Rated load current I_L	16 A
Nominal discharge current I_n (8/20) μ s	5 kA
Maximum discharge current I_{max} (8/20) μ s	10 kA
Combination wave U_{oc}	10 kV
Short-circuit current rating I_{SCCR}	3 kA
Voltage protection level U_p	≤ 1.3 kV
Residual voltage U_{res}	≤ 1.3 kV (at I_n)
	≤ 1.3 kV (at U_{oc})
TOV behavior at U_T	400 V AC (5 s / withstand mode)
	528 V AC (120 min / safe failure mode)
Response time t_A	≤ 25 ns
Max. backup fuse with branch wiring	16 A AC (MCB B/C)
Max. backup fuse with V-type through wiring	16 A AC (MCB B/C)
Combination wave U_{oc}	10 kV

Connection data

Connection method	Screw terminal blocks
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Connection data

Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
Screw thread	M3
Tightening torque	0.6 Nm

Classifications

eCl@ss

eCl@ss 5.1	27130801
eCl@ss 6.0	27130805
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

ETIM

ETIM 5.0	EC000941
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Approvals

Approvals


Approvals

KEMA-KEUR / CCA / IECCE CB Scheme

Ex Approvals

Approvals submitted

Approval details

KEMA-KEUR 

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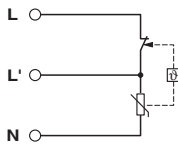
Approvals

CCA

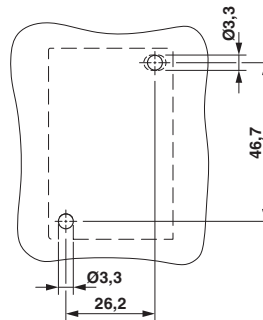
IECEE CB Scheme

Drawings

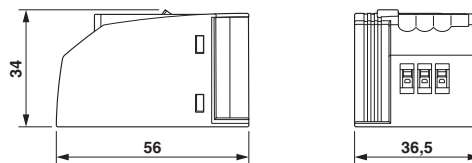
Circuit diagram



Drilling diagram



Dimensional drawing



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