

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

Your advantages

- ✓ 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 pc
Minimum order quantity	10 pc
GTIN	 4 0 5 5 6 2 6 0 5 8 0 7 8
GTIN	4055626058078
Weight per Piece (excluding packing)	39.000 g
Custom tariff number	85363030
Country of origin	China

Technical data

Dimensions

Height	56 mm
Width	36.5 mm
Depth	34 mm

Ambient conditions

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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 %

General

IEC test classification	II / III
	T2 / T3
EN type	T2 / T3
IEC power supply system	TT
	TN-C
	IT
Mode of protection	L-N
Mounting type	4 mm screw
Color	light grey RAL 7035
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 V-type through wiring	16 A (MCB B/C)
Max. backup fuse with branch wiring	16 A (MCB B/C)

Connection data

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Connection data

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

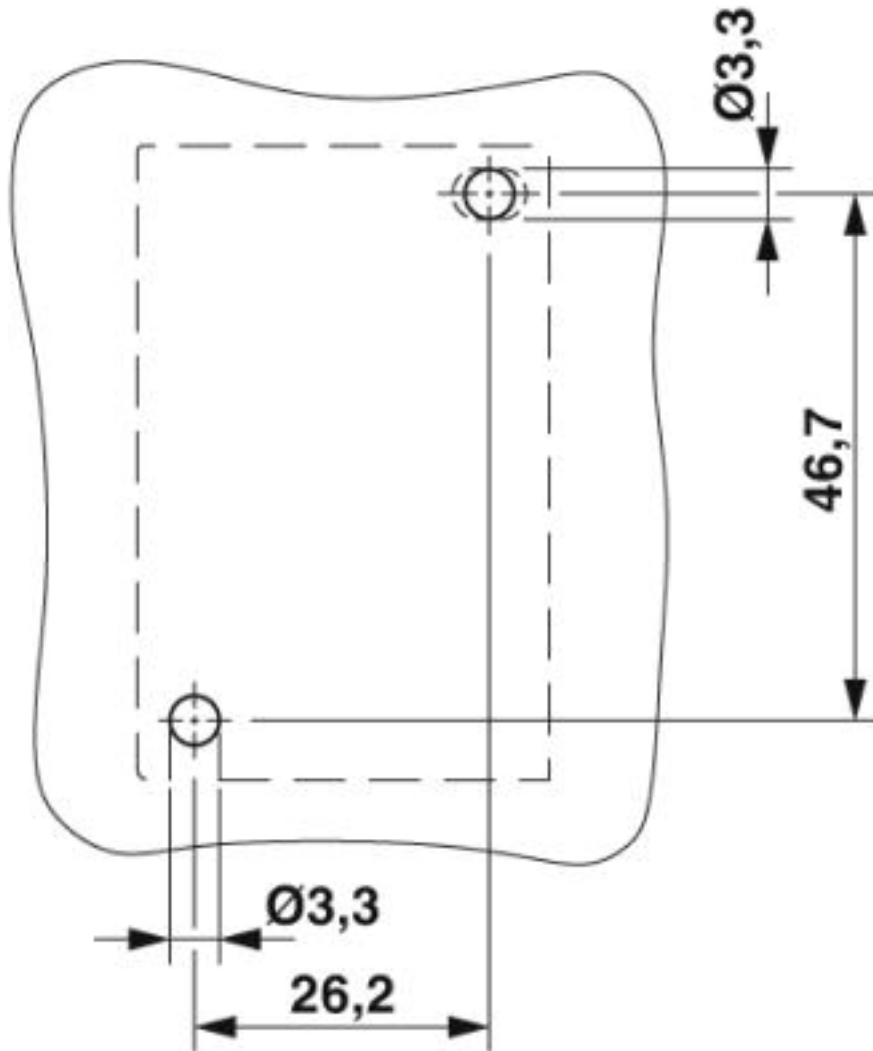
Standards and Regulations

Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

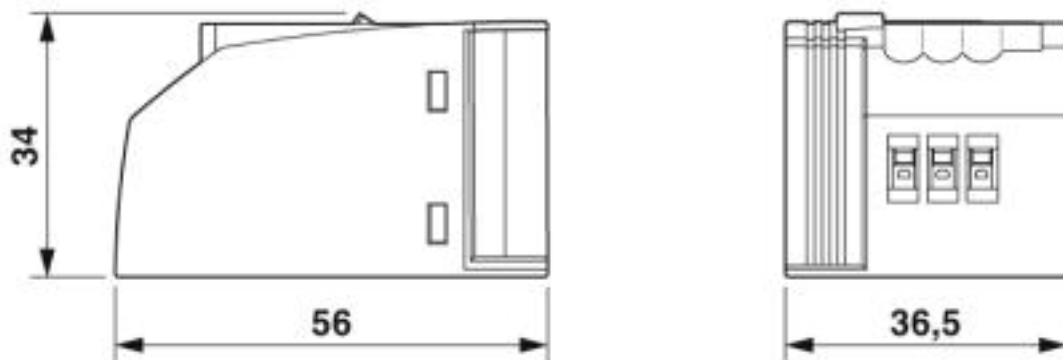
Drawings

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Drilling diagram

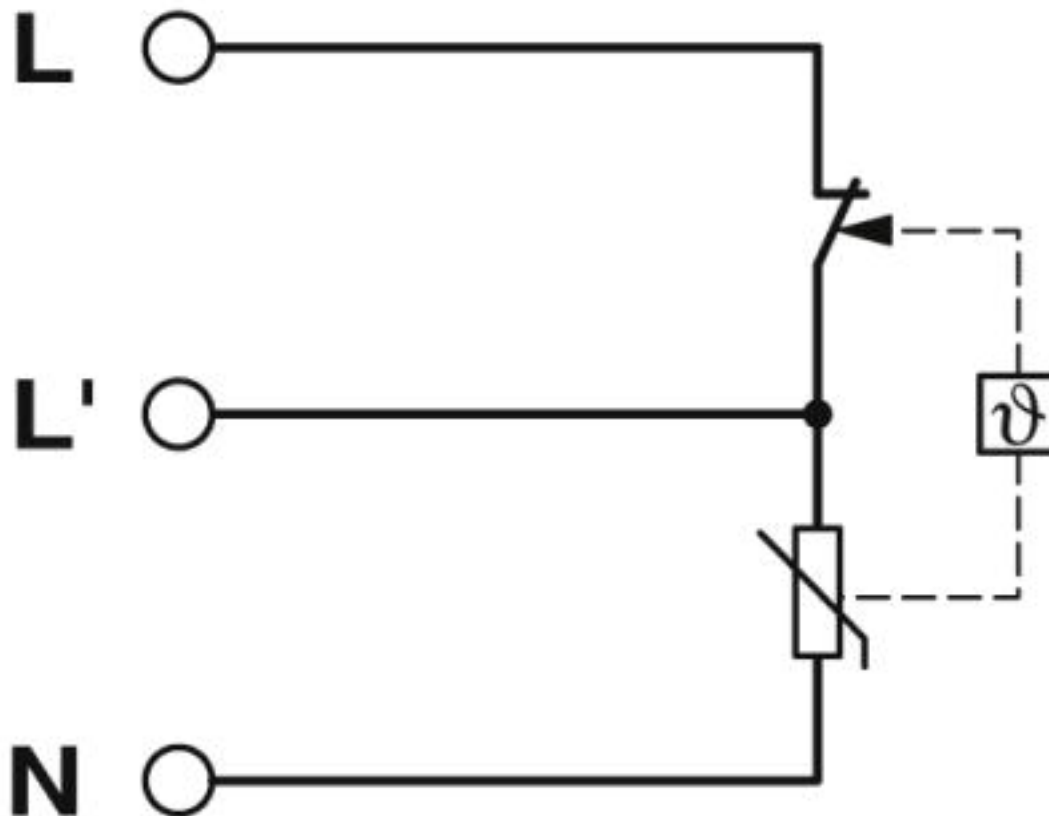


Dimensional drawing



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Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130805
eCl@ss 8.0	27130805
eCl@ss 9.0	27130805

ETIM

ETIM 5.0	EC000941
ETIM 6.0	EC000941
ETIM 7.0	EC000941

UNSPSC

UNSPSC 13.2	39121620
UNSPSC 18.0	39121620

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Classifications

UNSPSC

UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

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Approvals


CCA / KEMA-KEUR / IECCEB Scheme / EAC


Ex Approvals

Approval details

CCA	NTR-NL 7418
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KEMA-KEUR		http://www.dekra-certification.com	2179938.01
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IECCEB Scheme		http://www.iecee.org/	NL-36565
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EAC			RU C- DE.A*30.B01561
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