

Type 2 surge arrester - BLT-T2-1S-320-UT - 2906101

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Type 2 surge arrester for universal mounting in lights, cable connection boxes, installation boxes, sill-type trunking, underfloor installations or direct installation in the end device. Specifically for insulation class I 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 via LED
- ✓ Stub or through-wiring connection



Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 055626 058085
GTIN	4055626058085
Weight per Piece (excluding packing)	44.840 g
Custom tariff number	85363030
Country of origin	China

Technical data

Dimensions

Height	56 mm
Width	36.5 mm
Depth	34 mm

Ambient conditions

Degree of protection	IP20
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Technical data

Ambient conditions

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	TN-S
	TT
Mode of protection	L-N
	L-PE
	N-PE
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	I
Type	Installation module
Surge protection fault message	optical

Protective circuit

Nominal voltage U_N	100 V AC ... 277 V AC (TN-S)
	100 V AC ... 277 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous operating voltage U_C (L-N)	320 V AC
Maximum continuous operating voltage U_C (L-PE)	305 V AC
Maximum continuous voltage U_C (N-PE)	305 V AC
Rated load current I_L	16 A
Residual current I_{PE}	≤ 5 μA
Nominal discharge current I_n (8/20) μs (L-N)	5 kA
Nominal discharge current I_n (8/20) μs (L-PE)	5 kA
Nominal discharge current I_n (8/20) μs (N-PE)	10 kA
Maximum discharge current I_{max} (8/20) μs (L-N)	10 kA
Maximum discharge current I_{max} (8/20) μs (L-PE)	10 kA
Maximum discharge current I_{max} (8/20) μs (N-PE)	20 kA
Combination wave U_{oc}	10 kV
Total discharge current I_{total} (8/20) μs	20 kA
Follow current interrupt rating I_{fi} (N-PE)	100 A (305 V AC)

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Technical data

Protective circuit

Short-circuit current rating I_{SCCR}	3 kA
Voltage protection level U_p (L-N)	≤ 1.3 kV
Voltage protection level U_p (L-PE)	≤ 1.5 kV
Voltage protection level U_p (N-PE)	≤ 1.4 kV
Residual voltage U_{res} (L-N)	≤ 1.3 kV (at I_n)
	≤ 1.3 kV (at U_{oc})
TOV behavior at U_T (L-N)	400 V AC (5 s / withstand mode)
	528 V AC (120 min / safe failure mode)
TOV behavior at U_T (L-PE)	528 V AC (5 s / withstand mode)
	528 V AC (120 min / safe failure mode)
	1505 V AC (200 ms / withstand mode)
TOV behavior at U_T (N-PE)	1200 V AC
Response time t_A (L-N)	≤ 25 ns
Response time t_A (N-PE)	≤ 100 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

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

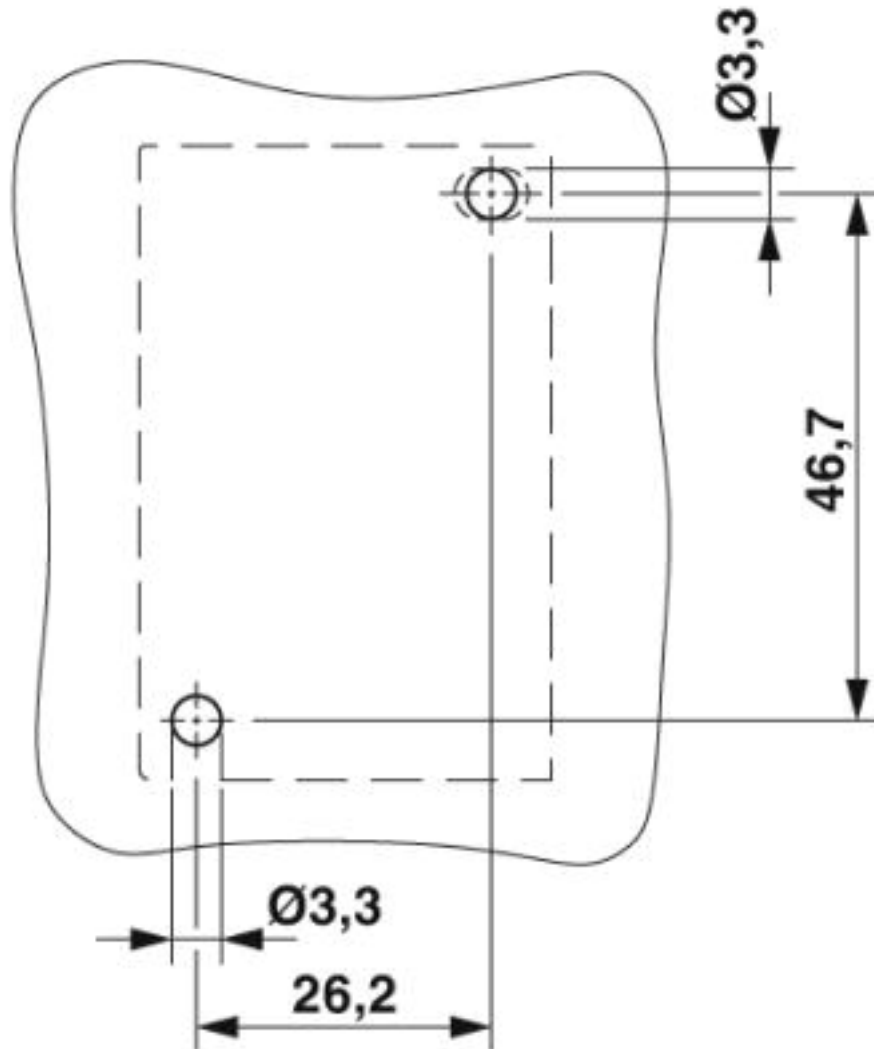
Standards and Regulations

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

Drawings

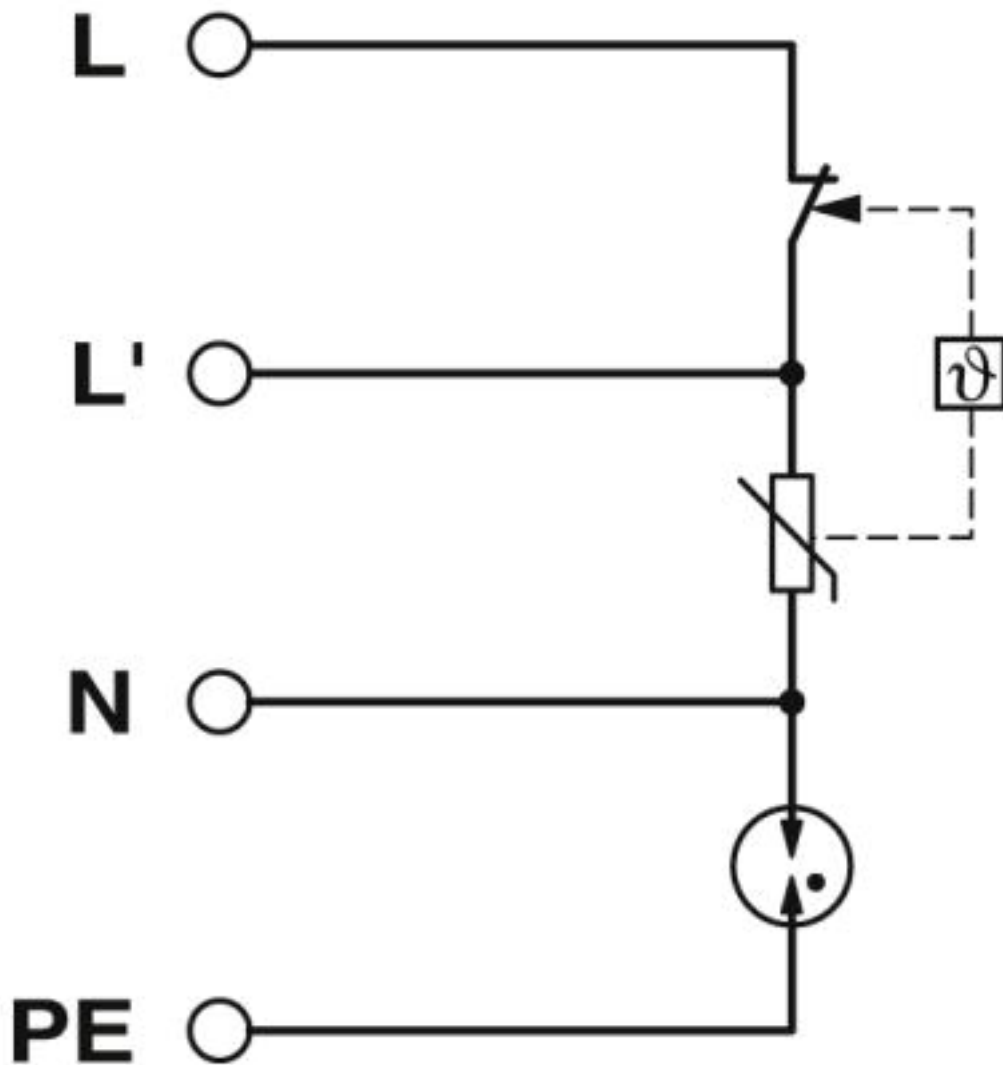
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Drilling diagram

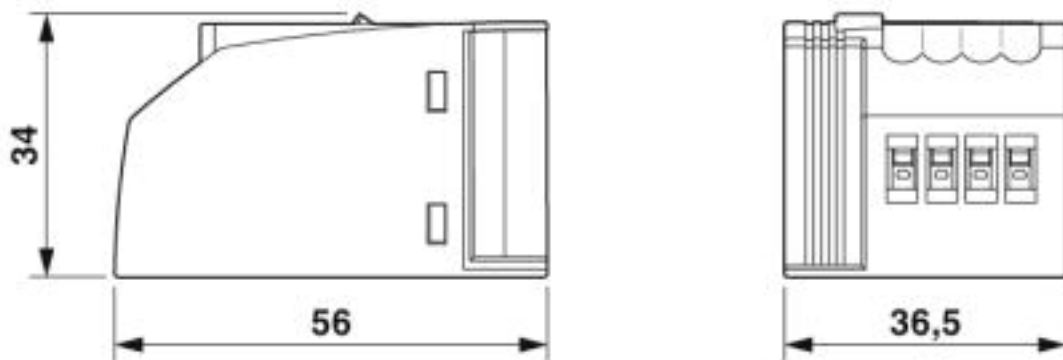


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Circuit diagram



Dimensional drawing



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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
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

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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Approvals

IECEE CB Scheme		http://www.iecee.org/	NL-36565
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EAC			RU C- DE.A*30.B01561
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