

Lightning arrester type 1 - FLT 100 N/PE CTRL-1.5 - 2856388

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Lightning current arrester with encapsulated N-PE spark gap and ignition electronics, 1-channel. Protection level: 1.5 kV. Housing width: 35 mm (2 Div.)



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 318.7 GRM |
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

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|------------------|---------|
| Height | 90 mm |
| Width | 35.8 mm |
| Depth | 65.7 mm |
| Horizontal pitch | 2 Div. |

Ambient conditions

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|----------------------------------|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Permissible humidity (operation) | ≤ 95 % |

General

| | |
|------------------------------------------|------------|
| IEC power supply system | TT |
| | TN-S |
| Housing material | PBT |
| Inflammability class according to UL 94 | V0 |
| Color | black |
| Standards for air and creepage distances | EN 60664-1 |

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Technical data

General

| | |
|--------------------------------|----------------------------------|
| | EN61643-11 |
| Mounting type | DIN rail: 35 mm |
| Type | Rail-mountable module, one-piece |
| Surge protection fault message | None |
| Direction of action | N-PE |

Protective circuit

| | |
|------------------------------------------------------------------|------------------------------|
| IEC test classification | I |
| | T1 |
| EN type | T1 |
| Nominal voltage U_N | 230 V AC (400 V AC / TN, TT) |
| Maximum continuous operating voltage U_C | 260 V AC |
| Maximum continuous operating voltage U_C (N-PE) | 260 V AC |
| U_T (TOV-safe) | 1200 V AC (200 ms) |
| Nominal frequency f_N | 50 Hz |
| | 60 Hz |
| Residual current I_{PE} | ≤ 0.1 mA |
| Standby power consumption P_C | ≤ 26 mVA |
| Max. discharge current I_{max} (8/20) μ s | 100 kA |
| Max. discharge current I_{max} (8/20) μ s maximum (N-PE) | 100 kA |
| Nominal discharge current I_n (8/20) μ s | 100 kA |
| Nominal discharge current I_n (8/20) μ s (N-PE) | 100 kA |
| Impulse discharge current (10/350) μ s charge | 50 As |
| Impulse discharge current (10/350) μ s, specific energy | 3 MJ/ Ω |
| Impulse discharge current (10/350) μ s, peak value I_{imp} | 100 kA |
| Front of wave sparkover voltage at 6 kV (1.2/50) μ s | ≤ 1.5 kV |
| Front of wave sparkover voltage at 6 kV (1.2/50) μ s (N-PE) | ≤ 1.5 kV |
| Voltage protection level U_p | ≤ 1.5 kV |
| Voltage protection level U_p (N-PE) | ≤ 1.5 kV |
| Response time | ≤ 100 ns |
| Response time (N-PE) | ≤ 100 ns |
| Follow current quenching capacity I_f | 100 A |
| Follow current quenching capacity I_f (N-PE) | 100 A |

Connection, protective circuit

| | |
|---------------------|--------------------------------|
| Connection method | Screw connection |
| Connection type IN | Biconnect screw terminal block |
| Connection type OUT | Biconnect screw terminal block |

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Technical data

Connection, protective circuit

| | |
|----------------------------------------|--------------------------|
| Connection method | Biconnect terminal block |
| Screw thread | M6 |
| Tightening torque | 8 Nm |
| Stripping length | 19 mm |
| Conductor cross section stranded min. | 16 mm ² |
| Conductor cross section stranded max. | 35 mm ² |
| Conductor cross section solid min. | 10 mm ² |
| Conductor cross section solid max. | 50 mm ² |
| Conductor cross section AWG/kcmil min. | 6 |
| Conductor cross section AWG/kcmil max | 1 |

Standards and Regulations

| | |
|-----------------------|--------------------------|
| Standards/regulations | IEC 61643-1 2005 |
| | DIN EN 61643-11 2002 |
| | DIN EN 61643-11/A11 2007 |

Classifications

eCl@ss

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|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27140201 |
| eCl@ss 5.0 | 27140201 |
| eCl@ss 5.1 | 27140201 |
| eCl@ss 6.0 | 27140201 |
| eCl@ss 7.0 | 27140201 |
| eCl@ss 8.0 | 27140201 |

ETIM

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|----------|----------|
| ETIM 2.0 | EC000381 |
| ETIM 3.0 | EC000381 |
| ETIM 4.0 | EC000381 |
| ETIM 5.0 | EC000381 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |

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Classifications

UNSPSC

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| UNSPSC 13.2 | 39121620 |
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Approvals

Approvals

Approvals

GOST

Ex Approvals

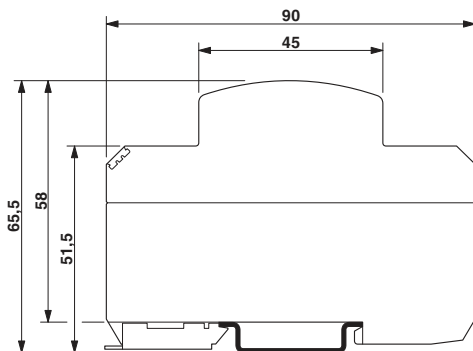
Approvals submitted

Approval details

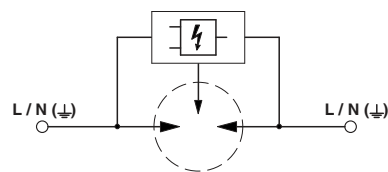
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Drawings

Dimensioned drawing



Circuit diagram



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Catalog photo

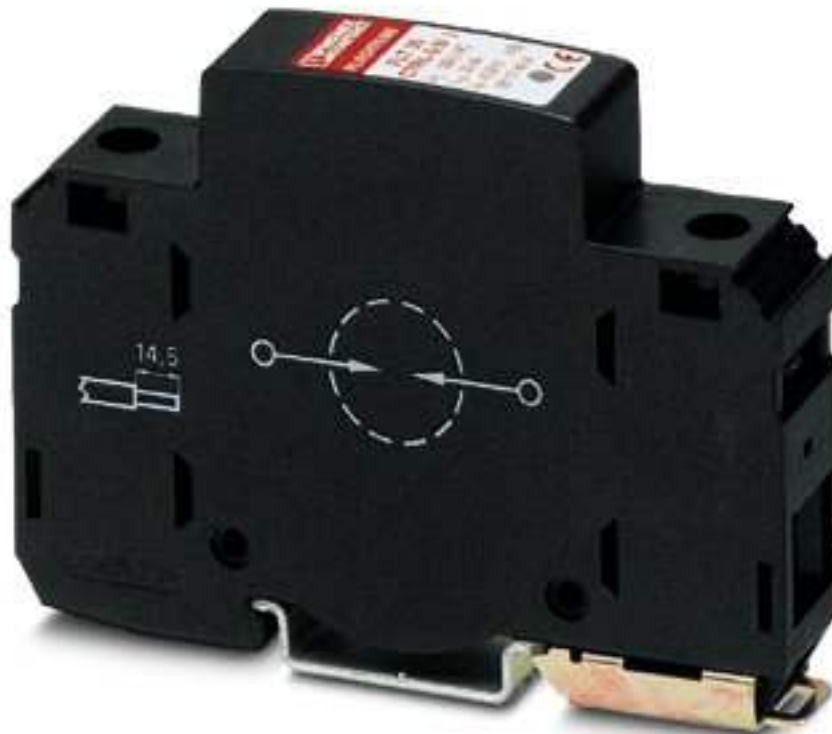


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