

VAL-ME 335 - Type 2 surge protection device



2880419

<https://www.phoenixcontact.com/us/products/2880419>

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Type 2 arrester, single section



Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2880419 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | CL1331 |
| GTIN | 4046356048859 |
| Weight per piece (including packing) | 111.63 g |
| Weight per piece (excluding packing) | 107.473 g |
| Customs tariff number | 85363030 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|--------------------------------|----------------------------|
| Product type | Surge arrester |
| IEC test classification | II |
| EN type | T2 |
| Type | DIN rail module, one-piece |
| Number of positions | 2 |
| Surge protection fault message | optical |

Electrical properties

| | |
|-------------------------|-----------------------------|
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Nominal voltage U_N | 277 V AC (230 ... 240 V AC) |

Connection data

| | |
|---------------------------------------|---------------------|
| Connection method | Screw connection |
| Screw thread | M5 |
| Stripping length | 14.5 mm |
| Conductor cross-section flexible min. | 0.5 mm ² |
| Conductor cross-section flexible max. | 25 mm ² |
| Conductor cross-section, rigid min. | 0.5 mm ² |
| Conductor cross-section, rigid max. | 35 mm ² |

Dimensions

| | |
|------------------|---------|
| Width | 17.7 mm |
| Height | 89.8 mm |
| Depth | 65.5 mm |
| Horizontal pitch | 1 Div. |

Material specifications

| | |
|--|--------|
| Flammability rating according to UL 94 | V0 |
| Housing material | PA 6.6 |

Protective circuit

| | |
|--|---------------------------|
| Direction of action | 1L-N/PE |
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Maximum continuous operating voltage U_C | 335 V AC |
| Protective conductor current I_{PE} | ≤ 0.3 mA |
| Standby power consumption P_C | ≤ 33.5 mW |
| Nominal discharge current I_n (8/20) μ s | 20 kA |
| Maximum discharge current I_{max} (8/20) μ s | 40 kA |
| Voltage protection level U_p | ≤ 1.5 kV (at I_n) |
| Response time t_A | ≤ 25 ns |
| Max. backup fuse with branch wiring | 125 A (gL) |

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Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 85 °C |

Standards and regulations

Standards

| | |
|-----------------------|-----------------|
| Standards/regulations | DIN EN 61643-11 |
| | IEC 61643-1 |
| | UL 1449 |

Air clearances and creepage distances

| | |
|--------------------------|--|
| Standards/regulations | VDE 0110-1 / IEC 60664-1 / IEC 61643-1 |
| Standards/specifications | DIN EN 61643-11 |
| Note | 2002 |
| Standards/specifications | IEC 61643-1 |
| Note | 1998 |
| Standards/specifications | UL 1449 |
| Note | ed. 2 |

Mounting

| | |
|---------------|-----------------|
| Mounting type | DIN rail: 35 mm |
|---------------|-----------------|

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Environmental product compliance

EU REACH SVHC

| REACH candidate substance (CAS No.) | |
|-------------------------------------|--|
|-------------------------------------|--|

| | |
|--|----------------------------|
| | No substance above 0.1 wt% |
|--|----------------------------|

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