

Type 1/2 surge protection plug - VAL-MS-T1/T2 335/12.5 ST - 2800190

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



L-N replacement plug for VAL-MS-T1/T2 335/12.5 plug-in lighting/surge arrester.



Key commercial data

| | |
|--------------------------------------|------------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 107.34 GRM |
| Custom tariff number | 85363030 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|------------------|---------|
| Height | 47 mm |
| Width | 17.7 mm |
| Depth | 67.3 mm |
| Horizontal pitch | 1 Div. |

Ambient conditions

| | |
|---------------------------------|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 80 °C |

General

| | |
|--|----------------|
| IEC power supply system | TN-C |
| | TN-S |
| Housing material | PA |
| Inflammability class according to UL 94 | V0 |
| Color | black |
| Standards for air and creepage distances | DIN EN 60664-1 |
| | EN 61643-1 |

Type 1/2 surge protection plug - VAL-MS-T1/T2 335/12.5 ST - 2800190

Technical data

General

| | |
|--------------------------------|---|
| Mounting type | On base element |
| Type | DIN rail module, two-section, divisible |
| Number of positions | 1 |
| Surge protection fault message | Optical |
| Direction of action | L-N / L-PEN |

Protective circuit

| | |
|---|---------------------------------------|
| IEC test classification | I / II |
| | T1 / T2 |
| EN type | T1 / T2 |
| Nominal voltage U_N | 240 V AC (230 V AC ... 240 V AC) |
| Maximum continuous operating voltage U_C | 335 V AC |
| Maximum continuous operating voltage U_C (L-N) | 335 V AC |
| U_T (TOV-proof) | 415 V AC (5 s) |
| Nominal frequency f_N | 50 Hz (60 Hz) |
| Residual current I_{PE} | $\leq 5 \mu A$ |
| Standby power consumption P_C | 268 mVA |
| Max. discharge current I_{max} (8/20) μs | 50 kA |
| Nominal discharge current I_n (8/20) μs | 12.5 kA |
| Impulse discharge current (10/350) μs charge | 6.25 As |
| Impulse discharge current (10/350) μs , specific energy | 39 kJ/ Ω |
| Impulse discharge current (10/350) μs , peak value I_{imp} | 12.5 kA |
| Voltage protection level U_p | ≤ 1.2 kV |
| | ≤ 1.6 kV (30 kA - 8/20 μs) |
| Residual voltage | ≤ 1.2 kV (at I_n) |
| | ≤ 1.1 kV (at 10 kA) |
| | ≤ 1 kV (at 5 kA) |
| | ≤ 0.9 kV (at 3 kA) |
| Response time | ≤ 25 ns |
| Max. backup fuse with branch wiring | 160 A (gL/gG) |
| Short-circuit resistance I_p with max. backup fuse (effective) | 25 kA |

Connection, protective circuit

| | |
|---------------------|------------------------------------|
| Connection type IN | FLASHTRAB/VALVETRAB plug-in system |
| Connection type OUT | FLASHTRAB/VALVETRAB plug-in system |

Standards and Regulations

| | |
|-----------------------|------------------|
| Standards/regulations | IEC 61643-1 2005 |
|-----------------------|------------------|

Type 1/2 surge protection plug - VAL-MS-T1/T2 335/12.5 ST - 2800190

Technical data

Standards and Regulations

| | |
|--|----------------------|
| | EN 61643-11/A11 2007 |
|--|----------------------|

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130802 |
| eCl@ss 7.0 | 27130802 |
| eCl@ss 8.0 | 27130802 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000941 |
| ETIM 3.0 | EC000941 |
| ETIM 4.0 | EC000381 |
| ETIM 5.0 | EC000381 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30212010 |
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11 | 39121610 |
| UNSPSC 12.01 | 39121610 |
| UNSPSC 13.2 | 39121620 |

Approvals

Approvals

Approvals

KEMA-KEUR / GL / UL Recognized / cUL Recognized / ÖVE / cULus Recognized

Ex Approvals

Approvals submitted

Type 1/2 surge protection plug - VAL-MS-T1/T2 335/12.5 ST - 2800190

Approvals

Approval details

KEMA-KEUR

GL

UL Recognized

cUL Recognized

ÖVE

cULus Recognized

Drawings

Dimensioned drawing

