

PRODUCT-DETAILS

OVR T1-T2 3L 12.5-275s P TS QS

OVR T1-T2 3L 12.5-275s P TS QS Surge Protective Device



General Information

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| Extended Product Type | OVR T1-T2 3L 12.5-275s P TS QS |
| Product ID | 2CTB815710R0600 |
| EAN | 3660308524911 |
| Catalog Description | OVR T1-T2 3L 12.5-275s P TS QS Surge Protective Device |
| Long Description | Surge protective devices SPD type 1- type 2 protect low-voltage consumer systems against lightning currents and surge voltages as they are tested as SPD type 1 and type 2 according to IEC 61643-11. The devices are compatible with the System pro M compact series. The SPD with "TS" are optionally equipped with a auxiliary contact. The variants with "reserve varistor" (s) offer additional protection for the system, as the SPD is not completely disconnected from the mains at the end of its service life, but with an additional smaller varistor still guarantees basic protection and the system thus until the surge arrester is replaced is still protected |

Technical

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| Standards | IEC 61643-11 / EN 61643-11 |
| Type of Low Voltage Distribution System | TN-C |
| Suitable For | To protect the systems against the transient overvoltage (lightning) |
| Nominal AC Voltage of the System (U_o) | 230 / 400 V |
| Voltage Rating DC | 350 V |
| Voltage Protection Level (Up) | (L-N) - kV (N-PE) - kV (L-PE) 1.4 kV |

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| Maximum Continuous Operating Voltage (U _c) | (L-PE) 275 V (L-L) 440 V (L-N) - V (N-PE) - V |
| Temporary Overvoltage Test Value (U _T) | 337 V |
| Discharge Current | Nominal 20 kA Maximum 80 kA Total 240 kA |
| Impulse Current | I (imp, 10 / 350 μs) 12.5 kA I (total, 10 / 350 μs) 37.5 kA |
| Lightning Impulse Current | 12,5 |
| Short Circuit Withstand I _{cc} | 100 kA |
| Follow Current Extinction Capacity I _f (I _{fi}) | (L-N) - kA (N-PE) - kA |
| Power Loss | 63 mW |
| Short-Circuit Protective Devices | Curve B Breakers ≤ 125 A Curve C Breakers ≤ 125 A gL Type Fuses ≤ 160 A gG Type Fuses ≤ 160 A |
| Arrester Class | I II |
| Number of Poles | 3 |
| Number of Protected Poles | 3 |
| Number of Auxiliary Contacts NC | 1 |
| Number of Auxiliary Contacts NO | 1 |
| Version | Plug-in |
| Mounting Type | DIN-Rail |
| Product Type | QS |
| Options Provided | Industry, commercial building |
| Auxiliary Circuit Load | Minimum 12Vdc - 10mA Maximum 250Vac - 1A |
| Preventive Maintenance Feature | Yes |
| Status Indicator | Yes |
| Fuse Size | 3 modular spacing |

Environmental

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|---|-----------------------------------|
| Degree of Protection | IP20 |
| Maximum Operating Altitude Permissible | Without Derating 5000 |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Information | 9AKK108466A4617 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Dimensions

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| Width in Number of Modular Spacings | 3 |
| Product Net Width | 53.4 mm |
| Product Net Height | 95.8 mm |
| Product Net Depth / Length | 76.7 mm |

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|--------------------|----------|
| Product Net Weight | 00.45 kg |
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Ordering

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| Minimum Order Quantity | 1 piece |
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.450 kg |

Certificates and Declarations

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|--------------------------------|-----------------|
| CQC Certificate | 9AKK107680A1975 |
| Declaration | 2CTC432056G1701 |
| Declaration of Conformity - CE | 9AKK108466A4617 |
| EAC Certificate | 2CTC436008G1701 |

Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 2CTC431030M1701 |
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Popular Downloads

| | |
|-----------------------------------|--|
| Data Sheet, Technical Information | 2CTC431038D0201 |
| Mechanical Drawings | 2CTC800015F1100.pdf 2CTC800015F1101.dxf 2CTC800015F1102.stp 2CTC800015F1103.igs |

Classifications

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| ETIM 8 | EC001457 - Combined arrester for power supply systems |
| ETIM 9 | EC001457 - Combined arrester for power supply systems |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Business |
| CN8 | 85363090 |
| eClass | V11.0 : 27130808 |
| Object Classification Code | 141BCC |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Surge Protective Devices SPDs → Surge Protective Devices SPD Class I → Type T1 - T2 12.5kA

