

## PRODUCT-DETAILS

# OVR T1-T2 1N 12.5-440s P TS QS

## OVR T1-T2 1N 12.5-440s P TS QS Surge Protective Device



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OVR T1-T2 1N 12.5-440s P TS QS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product ID            | 2CTB815710R3000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| EAN                   | 3660308525062                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Catalog Description   | OVR T1-T2 1N 12.5-440s P TS QS Surge Protective Device                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Long Description      | <p>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</p> |

### Technical

|                                                    |                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------|
| Standards                                          | IEC 61643-11 / EN 61643-11                                           |
| Product Name                                       | Surge Protective Device                                              |
| Type of Low Voltage Distribution System            | TT<br>TN-S                                                           |
| Suitable For                                       | To protect the systems against the transient overvoltage (lightning) |
| Nominal AC Voltage of the System (U <sub>o</sub> ) | 400 / 690 V                                                          |
| Voltage Rating DC                                  | 560 V                                                                |

|                                                   |                                                                                                                            |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Voltage Protection Level<br>( Up)                 | (L-N) 1.9 kV<br>(N-PE) 1.9 kV<br>(L-PE) 2 kV                                                                               |
| Maximum Continuous<br>Operating Voltage ( $U_c$ ) | (L-PE) 440 V<br>(L-L) - V<br>(L-N) 440 V<br>(N-PE) 440 V                                                                   |
| Temporary Overvoltage<br>Test Value ( $U_T$ )     | (L-N) 581 V<br>(N-PE) 1200 V                                                                                               |
| Discharge Current                                 | Nominal 20 kA<br>Maximum 80 kA<br>Total 100 kA                                                                             |
| Impulse Current                                   | I (imp, 10 / 350 $\mu$ s) 12.5 kA<br>I (total, 10 / 350 $\mu$ s) 25 kA                                                     |
| Lightning Impulse Current                         | 12,5                                                                                                                       |
| Short Circuit Withstand Icc                       | 100 kA                                                                                                                     |
| Follow Current Extinction<br>Capacity If (I fi)   | (L-N) - kA<br>(N-PE) 0.1 kA                                                                                                |
| Power Loss                                        | 70 mW                                                                                                                      |
| Short-Circuit Protective<br>Devices               | Curve B Breakers $\leq$ 125 A<br>Curve C Breakers $\leq$ 125 A<br>gL Type Fuses $\leq$ 160 A<br>gG Type Fuses $\leq$ 160 A |
| Arrester Class                                    | I<br>II                                                                                                                    |
| Number of Poles                                   | 2                                                                                                                          |
| Number of Protected<br>Poles                      | 2                                                                                                                          |
| Number of Auxiliary<br>Contacts NC                | 1                                                                                                                          |
| Number of Auxiliary<br>Contacts NO                | 1                                                                                                                          |
| Position of Neutral<br>Terminals                  | Right                                                                                                                      |
| Version                                           | Plug-in                                                                                                                    |
| Mounting Type                                     | DIN rail (top hat rail) 35 mm                                                                                              |
| Product Type                                      | QS                                                                                                                         |
| Options Provided                                  | Industry, commercial building                                                                                              |
| Auxiliary Circuit Load                            | Minimum 12Vdc - 10mA<br>Maximum 250Vac - 1A                                                                                |
| Preventive Maintenance<br>Feature                 | Yes                                                                                                                        |
| Status Indicator                                  | Yes                                                                                                                        |
| Fuse Size                                         | 3 modular spacing                                                                                                          |

## Environmental

|                                           |                       |
|-------------------------------------------|-----------------------|
| Degree of Protection                      | IP20                  |
| Maximum Operating<br>Altitude Permissible | Without Derating 5000 |

## Dimensions

|                    |   |
|--------------------|---|
| Width in Number of | 3 |
|--------------------|---|

## Modular Spacings

|                            |          |
|----------------------------|----------|
| Product Net Width          | 53.4 mm  |
| Product Net Height         | 95.8 mm  |
| Product Net Depth / Length | 76.7 mm  |
| Product Net Weight         | 00.45 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 117 mm        |
| Package Level 1 Height         | 82 mm         |
| Package Level 1 Depth / Length | 61 mm         |
| Package Level 1 Gross Weight   | 475 g         |
| Package Level 1 EAN            | 3660308525062 |

## Ordering

|                         |               |
|-------------------------|---------------|
| Minimum Order Quantity  | 1 piece       |
| Customs Tariff Number   | 85363090      |
| Country of Origin       | Bulgaria (BG) |
| Selling Unit of Measure | piece         |

## Certificates and Declarations (Document Number)

|                                |                 |
|--------------------------------|-----------------|
| CQC Certificate                | 9AKK107680A1975 |
| Declaration                    | 2CTC432056G1701 |
| Declaration of Conformity - CE | 9AKK107992A0892 |
| EAC Certificate                | 2CTC436008G1701 |
| Instructions and Manuals       | 2CTC431030M1701 |

## Popular Downloads

|                                   |                                                                                          |
|-----------------------------------|------------------------------------------------------------------------------------------|
| Data Sheet, Technical Information | 2CTC431051D0201                                                                          |
| Instructions and Manuals          | 2CTC431030M1701                                                                          |
| Mechanical Drawings               | 2CTC800015F2300.pdf<br>2CTC800015F2301.dxf<br>2CTC800015F2302.stp<br>2CTC800015F2303.igs |

## Classifications

|               |                                                            |
|---------------|------------------------------------------------------------|
| ETIM 6        | EC001457 - Combined arrester for power supply systems      |
| ETIM 7        | EC001457 - Combined arrester for power supply systems      |
| ETIM 8        | 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             |
| Object Classification Code | 141BEC               |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Surge Protective Devices SPDs → Surge Protective Devices SPD Class I

