

## PRODUCT-DETAILS

# OVR T1 3N 25-255 TS

## OVR T1 3N 25-255 TS Surge Protective Device



### General Information

|                       |                                                                                                                                                                                                                                                                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OVR T1 3N 25-255 TS                                                                                                                                                                                                                                                                                                     |
| Product ID            | 2CTB815101R0700                                                                                                                                                                                                                                                                                                         |
| EAN                   | 3660308510983                                                                                                                                                                                                                                                                                                           |
| Catalog Description   | OVR T1 3N 25-255 TS Surge Protective Device                                                                                                                                                                                                                                                                             |
| Long Description      | Surge protective devices SPD type 1 protect low-voltage consumer systems against lightning currents and surge voltages as they are tested as SPD type 1 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. |

### Technical

|                                            |                           |
|--------------------------------------------|---------------------------|
| Type of Low Voltage Distribution System    | TT<br>TN-S                |
| Nominal AC Voltage of the System ( $U_o$ ) | 230 / 400 V               |
| Number of Protected Poles                  | 4                         |
| Arrester Class                             | I                         |
| Product Main Type                          | T1                        |
| Standards                                  | IEC 61643-1 / EN 61643-11 |
| Version                                    | Fix                       |
| Discharge Current                          | Nominal 25 kA             |

|                                                                         |                                                                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|                                                                         | Maximum 60 kA<br>Total 175 kA                                                                          |
| Impulse Current                                                         | I (imp, 10 / 350 µs) 25 kA<br>I (total, 10 / 350 µs) 100 kA                                            |
| Maximum Continuous<br>Operating Voltage (U <sub>c</sub> )               | (L-PE) 255 V<br>(L-L) 440 V<br>(L-N) 255 V<br>(N-PE) 255 V                                             |
| Voltage Protection Level<br>( U <sub>p</sub> )                          | (L-N) 2.5 kV<br>(N-PE) 2 kV<br>(L-PE) - kV                                                             |
| Short Circuit Withstand I <sub>cc</sub>                                 | 50 kA                                                                                                  |
| Follow Current Extinction<br>Capacity I <sub>f</sub> (I <sub>fi</sub> ) | 50 kA                                                                                                  |
| Temporary Overvoltage<br>Test Value (U <sub>T</sub> )                   | (L-N) 337 V<br>(N-PE) 1200 V                                                                           |
| Short-Circuit Protective<br>Devices                                     | Curve B Breakers ≤ 125 A<br>Curve C Breakers ≤ 125 A<br>gL Type Fuses ≤ 125 A<br>gG Type Fuses ≤ 125 A |
| Auxiliary Circuit Load                                                  | Minimum 12Vdc - 10mA<br>Maximum 250Vac - 1A                                                            |
| Product Name                                                            | Surge Protective Device                                                                                |
| Suitable For                                                            | To protect the systems against the transient overvoltage (lightning)                                   |

## Dimensions

|                                        |          |
|----------------------------------------|----------|
| Product Net Width                      | 160.2 mm |
| Product Net Depth /<br>Length          | 64.8 mm  |
| Product Net Height                     | 90 mm    |
| Product Net Weight                     | 1.2 kg   |
| Width in Number of<br>Modular Spacings | 9        |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | 1 piece       |
| Package Level 1 Width             | 117 mm        |
| Package Level 1 Depth /<br>Length | 193 mm        |
| Package Level 1 Height            | 82 mm         |
| Package Level 1 Gross<br>Weight   | 1.22 kg       |
| Package Level 1 EAN               | 3660308510983 |

## Ordering

|                                 |                 |
|---------------------------------|-----------------|
| Minimum Order Quantity          | 1 piece         |
| Customs Tariff Number           | 85363090        |
| Replacement Product ID<br>(NEW) | 2CTB825101R0700 |

| Certificates and Declarations (Document Number) |                 |
|-------------------------------------------------|-----------------|
| Declaration of Conformity<br>- CE               | 9AKK107991A6345 |
| EAC Certificate                                 | 2CTC436007G1701 |
| Instructions and Manuals                        | 2CTC431005M1701 |

| Popular Downloads                    |                                                                                          |
|--------------------------------------|------------------------------------------------------------------------------------------|
| Data Sheet, Technical<br>Information | 2CTC431006D1701                                                                          |
| Instructions and Manuals             | 2CTC431005M1701                                                                          |
| Mechanical Drawings                  | 2CTC800010F0700.pdf<br>2CTC800010F0701.dxf<br>2CTC800010F0702.stp<br>2CTC800010F0703.igs |

| Classifications            |                                                                |
|----------------------------|----------------------------------------------------------------|
| Object Classification Code | 141ACC                                                         |
| ETIM 4                     | EC000381 - Lightning current arrester for power supply systems |
| ETIM 5                     | EC000381 - Lightning current arrester for power supply systems |
| ETIM 6                     | EC000381 - Lightning current arrester for power supply systems |
| ETIM 7                     | EC000381 - Lightning current arrester for power supply systems |

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

