

PRODUCT-DETAILS

# OVR T1-T2 1N 12.5-275s P TS QS

## OVR T1-T2 1N 12.5-275s P TS QS Surge Protective Device



### General Information

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Extended Product Type | OVR T1-T2 1N 12.5-275s P TS QS                         |
| Product ID            | 2CTB815710R0100                                        |
| EAN                   | 3660308524898                                          |
| Catalog Description   | OVR T1-T2 1N 12.5-275s P TS QS Surge Protective Device |
| Long Description      | B752489                                                |

### Technical

|                                            |                                                                        |
|--------------------------------------------|------------------------------------------------------------------------|
| Type of Low Voltage Distribution System    | TT<br>TN-S                                                             |
| Nominal AC Voltage of the System ( $U_0$ ) | 230 / 400 V                                                            |
| Number of Protected Poles                  | 2                                                                      |
| Arrester Class                             | I<br>II                                                                |
| Product Main Type                          | T1-T2                                                                  |
| Standards                                  | IEC 61643-11 / EN 61643-11                                             |
| Product Type                               | QS                                                                     |
| Version                                    | Plug-in                                                                |
| 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 |

|                                                                      |                                                                                                        |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Maximum Continuous Operating Voltage (U <sub>c</sub> )               | (L-PE) 275 V<br>(L-L) - V<br>(L-N) 275 V<br>(N-PE) 255 V                                               |
| Voltage Rating DC                                                    | 350 V                                                                                                  |
| Voltage Protection Level (U <sub>p</sub> )                           | (L-N) 1.4 kV<br>(N-PE) 1.4 kV<br>(L-PE) 1.5 kV                                                         |
| Short Circuit Withstand I <sub>cc</sub>                              | 100 kA                                                                                                 |
| Follow Current Extinction Capacity I <sub>f</sub> (I <sub>fi</sub> ) | (L-N) - kA<br>(N-PE) 0.1 kA                                                                            |
| Temporary Overvoltage Test Value (U <sub>T</sub> )                   | (L-N) 337 V<br>(N-PE) 1200 V                                                                           |
| Short-Circuit Protective Devices                                     | Curve B Breakers ≤ 125 A<br>Curve C Breakers ≤ 125 A<br>gL Type Fuses ≤ 160 A<br>gG Type Fuses ≤ 160 A |
| Auxiliary Circuit Load                                               | Minimum 12Vdc - 10mA<br>Maximum 250Vac - 1A                                                            |
| Power Loss                                                           | 37 mW                                                                                                  |
| Product Name                                                         | Surge Protective Device                                                                                |
| Suitable For                                                         | To protect the systems against the transient overvoltage (lightning)                                   |

## Dimensions

|                                     |         |
|-------------------------------------|---------|
| Product Net Width                   | 35.6 mm |
| Product Net Depth / Length          | 76.7 mm |
| Product Net Height                  | 95.8 mm |
| Product Net Weight                  | 0.3 kg  |
| Width in Number of Modular Spacings | 2       |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 117 mm        |
| Package Level 1 Depth / Length | 41 mm         |
| Package Level 1 Height         | 82 mm         |
| Package Level 1 Gross Weight   | 320 g         |
| Package Level 1 EAN            | 3660308524898 |

## Ordering

|                        |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85363090 |

## 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 | 2CTC431036D0201                                                                          |
| Instructions and Manuals          | 2CTC431030M1701                                                                          |
| Mechanical Drawings               | 2CTC800015F0900.pdf<br>2CTC800015F0901.dxf<br>2CTC800015F0902.stp<br>2CTC800015F0903.igs |

| Classifications            |                                                       |
|----------------------------|-------------------------------------------------------|
| Object Classification Code | 141BCC                                                |
| ETIM 4                     | EC001457 - Combined arrester for power supply systems |
| ETIM 5                     | EC001457 - Combined arrester for power supply systems |
| ETIM 6                     | EC001457 - Combined arrester for power supply systems |
| ETIM 7                     | EC001457 - Combined 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 |

