



Representative Image

**Catalog No. 1SVR730712R1400****Description:** CM-MSS.31S Therm. motor protec. relay 1n/o+1n/c, 24-240VAC/DC**UPC No** 4013614496653**Home > Controls & Protective Relays > Measuring & Monitoring Relays****Descriptors**

Category

Measuring &amp; Monitoring Relays

**Specifications**

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Line Type                | Thermistor Motor Protection Relays                                                                                                                               |
| Function                         | 1 sensor circuit<br>Short-circuit detection<br>Non-volatile fault storage<br>Dynamic interrupted wire detection<br>Auto, manual or remote reset<br>ATEX approved |
| Output                           | 1 n/o + 1 n/c contact                                                                                                                                            |
| Rated Control Supply Voltage     | 24 ... 240 V AC / DC                                                                                                                                             |
| Terminal Type                    | Screw Terminals                                                                                                                                                  |
| Product Main Type                | CM-MSS                                                                                                                                                           |
| Ambient Air Temperature          | Operation -25 ... +60 °C<br>Storage -40 ... +85 °C                                                                                                               |
| RoHS Status                      | Following EU Directive 2011/65/EU                                                                                                                                |
| Maximum Operating Voltage UL/CSA | Output Circuit 300 V AC                                                                                                                                          |
| Contact Rating UL/CSA            | B300                                                                                                                                                             |
| Connecting Capacity UL/CSA       | Flexible 1x 18-14 AWG<br>Flexible 2x 18-16AWG<br>Rigid 1x 20-12 AWG<br>Rigid 2x 20-14 AWG                                                                        |
| Tightening Torque UL/CSA         | 7.08 in·lb                                                                                                                                                       |
| Object Classification Code       | B                                                                                                                                                                |

**Classifications**

|          |                                                   |
|----------|---------------------------------------------------|
| ETIM 5.0 | EC002568 - Temperature monitor (motor protection) |
| ETIM 6.0 | EC002568 - Relay for thermistor protection (PTC)  |
| ETIM 7   | EC002568 - Relay for thermistor protection (PTC)  |
| eClass   | 7.0 27371503                                      |

**Dimensions**

|                   |         |
|-------------------|---------|
| Product Net Width | 22.5 mm |
|-------------------|---------|

**by ABB**

**Dimensions**

|                            |          |
|----------------------------|----------|
| Product Net Height         | 85.6 mm  |
| Product Net Depth / Length | 103.7 mm |
| Product Net Weight         | 0.128 kg |

**Package Information**

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | 1 piece       |
| Package Level 1 Width          | 97 mm         |
| Package Level 1 Height         | 109 mm        |
| Package Level 1 Depth / Length | 30 mm         |
| Package Level 1 Gross Weight   | 0.154 kg      |
| Package Level 1 EAN            | 4013614496653 |

**Ordering**

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| Minimum Order Quantity | 1                                                         |
| Customs Tariff Number  | 85364900                                                  |
| ECCN                   | N                                                         |
| ECN                    | N                                                         |
| ATEX Certificate       | EU Type Examination Certificate_TPS_18_ATEX_044254_0018_X |
| ABB Business Unit      | ELSP - Smart Power                                        |
| ABB Product Group      | 3099>>ELSP                                                |