

## PRODUCT-DETAILS

# OT90GAUC6TZ

## OT90GAUC6TZ Safety switch



### General Information

|                       |                           |
|-----------------------|---------------------------|
| Extended Product Type | OT90GAUC6TZ               |
| Product ID            | 1SCA148491R1001           |
| EAN                   | 6417019779904             |
| Catalog Description   | OT90GAUC6TZ Safety switch |

### Long Description

The enclosed switch is using a galvanised steel enclosure, with polyester coating. It is suitable for outdoor use with respect to UV light and ingress protection. The enclosure have inbuilt gas pressure relief function to protect the user in case of an internal arc. The door is earthed via the hinges. The enclosure is prepared for single and parallel cables. Cable entry types can be blank , ring-flange or C-flange type (FL21), with different cable configuration, like top/bottom or bottom/bottom. The handle is padlockable for 3 padlocks, cover is interlocked, and interlock function can be bypassed for thermographing.

### Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85363030     |
| Country of Origin      | Finland (FI) |

### Popular Downloads

|                                   |                     |
|-----------------------------------|---------------------|
| Data Sheet, Technical Information | 1SCC340015C0201     |
| Instructions and Manuals          | 1SCC340005M0007     |
| Mechanical Drawings               | OTKM604023PBL2C.stp |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 400 mm   |
| Product Net Height         | 600 mm   |
| Product Net Depth / Length | 230 mm   |
| Product Net Weight         | 21.31 kg |

## Technical

|                                                          |                                                                                                |
|----------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Rated Operational Current<br>AC-22A ( $I_e$ )            | (380 ... 415 V) 90 A<br>(500 V) 90 A<br>(690 V) 90 A                                           |
| Rated Operational Current<br>AC-23A ( $I_e$ )            | (380 ... 415 V) 90 A<br>(500 V) 90 A<br>(690 V) 90 A                                           |
| Rated Operational Power<br>AC-23A ( $P_e$ )              | (380 ... 415 V) 45 kW<br>(500 V) 55 kW<br>(690 V) 75 kW                                        |
| Conventional Thermal<br>Current ( $I_{the}$ )            | Fully Enclosed 90 A                                                                            |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ )         | 12 kV                                                                                          |
| Rated Insulation Voltage<br>( $U_i$ )                    | acc. to IEC/EN 60664-1 1000 V                                                                  |
| Rated Operational Voltage                                | Main Circuit 1000 V                                                                            |
| Rated Short-Circuit<br>Making Capacity ( $I_{cm}$ )      | (690 V AC) 12 kA                                                                               |
| Rated Short-time<br>Withstand Current ( $I_{cw}$ )       | for 1 s 4 kA                                                                                   |
| Rated Conditional Short-<br>Circuit Current ( $I_{nc}$ ) | 24 kA                                                                                          |
| Pollution Degree                                         | 3                                                                                              |
| Handle Color                                             | Black                                                                                          |
| Handle Type                                              | Pistol handle                                                                                  |
| Position of Line Terminals                               | Bottom In - Bottom Out                                                                         |
| Standards                                                | IEC 60947-1, -3                                                                                |
| Number of Poles                                          | 6                                                                                              |
| Connecting Capacity Main<br>Circuit                      | Screw Clamp 10...70 mm <sup>2</sup><br>Screw Clamp / PE Terminal 4pcs, 10...70 mm <sup>2</sup> |
| Cable Entry Position                                     | Down/Down                                                                                      |
| Cable Outlets Per Side                                   | Blank / 2xC-flange, Knock-outs: 10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm                           |
| Degree of Protection                                     | acc. to IEC 60529 IP65                                                                         |
| Enclosure Type                                           | MSC                                                                                            |
| Enclosure Material                                       | Steel sheet                                                                                    |
| Maximum Mounted<br>Auxiliary Contacts                    | 2 NO, 2 NC                                                                                     |
| Mounted Auxiliary<br>Contacts                            | 2 NO, 0 NC                                                                                     |
| Terminal Type                                            | Screw Terminals                                                                                |
| Tightening Torque                                        | 6 N·m                                                                                          |

## Environmental

|             |                                   |
|-------------|-----------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
|-------------|-----------------------------------|

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**Certificates and Declarations (Document Number)**

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|                                   |                 |
|-----------------------------------|-----------------|
| Declaration of Conformity<br>- CE | 1SCC340002D2703 |
| Instructions and Manuals          | 1SCC340005M0007 |

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**Container Information**

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|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 415 mm        |
| Package Level 1 Depth /<br>Length | 710 mm        |
| Package Level 1 Height            | 325 mm        |
| Package Level 1 Gross<br>Weight   | 23 kg         |
| Package Level 1 EAN               | 6417019779904 |

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**Classifications**

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|                            |                                                             |
|----------------------------|-------------------------------------------------------------|
| Object Classification Code | Q                                                           |
| ETIM 5                     | EC000216 - Switch disconnecter                              |
| ETIM 6                     | EC000216 - Switch disconnecter                              |
| ETIM 7                     | EC000216 - Switch disconnecter                              |
| WEEE Category              | 4. Large Equipment (Any External Dimension More Than 50 cm) |
| E-Number (Finland)         | 3640421                                                     |

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**Categories**

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Low Voltage Products and Systems → Enclosed Switches → Enclosed Safety Switches → Enclosed Safety Switches

