PRODUCT-DETAILS

# OT630KUUR3AZ

## OT630KUUR3AZ EMC safety switch



### General Information

| | |
|---|---|
| Extended Product Type | OT630KUUR3AZ |
| Product ID | 1SCA022725R2970 |
| EAN | 6417019233796 |
| Catalog Description | OT630KUUR3AZ EMC safety switch |
| Long Description | EMC safety switch, 3-p. 415V AC23 570A, 315kW. Mounted auxiliary contact: 2NO1NC. Steel sheet enclosure. IP65. RedYellow Pistol handle. Interlocked cover. Defeatable interlocking. 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 parallell 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. |

### Material Compliance

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |

© 2025 ABB. All rights reserved.

| | |
|---|---|
| REACH Declaration | 1SCC340076D0201 |
| RoHS Declaration | 1SCC340075D0201 |
| RoHS Information | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| SCIP | c97b180e-3082-41e7-b5c7-9875d07ee99a Finland |
| Simplified SCIP | 2cbe2c41-35ce-40f7-b25b-70430454bca9 Germany<br>1150a8b2-0f0f-4713-8d08-49441723cbe3 Croatia<br>728b1132-9047-41e6-b0fa-5f71a46c2a7b Poland<br>4179308c-6245-4330-9ef4-b18045876b5e Sweden<br>a0d51c58-d9ba-4b31-9b4b-275f4763073e Spain<br>e67ff98e-a56a-4f39-b438-ee2776ea9273 Hungary<br>a9df28cc-0a63-4386-8df1-6976f6ebf57b Czech Republic<br>1f255b83-ff7c-4880-a85c-8e5da8140eee Belgium<br>078effc6-c100-4e66-9e8b-955473ef372a Germany<br>b59f7115-e039-46af-8f5a-281e4db4124b Germany<br>ab984f8e-4ea5-49cf-b29f-64cf21ef9e70 Bulgaria<br>6169ad13-035e-40ed-84d9-2fa8d0239832 Greece<br>55a57645-e1a6-4030-9310-53b4b5af3e3a Sweden<br>e139b061-6e04-419c-a100-24c7a00acb09 Portugal<br>7207c1f3-1e95-4381-94de-318f2f4552ea Poland<br>2d547d82-ec9b-4cbf-9448-3f5d98f061ba France<br>e71b49b0-5e03-4724-8dfb-927c766802e6 France<br>e3c4b578-9a86-4921-a137-d835849c1895 Netherlands<br>e4c913f1-4b51-4b7a-a591-dda0e14ad495 Hungary<br>725c2d35-212f-421b-bfe4-9bf059f75245 Germany<br>81be4d63-9f51-48ba-86ab-4ea8fd2704db Germany<br>71122371-782f-4f74-b866-6bd426c81613 Denmark<br>3f6d799a-3f59-4a5b-85e2-67cec2895126 Estonia<br>b4899c27-d3c5-49d7-9ea5-6aad6920cfdf Belgium<br>c06e0700-ce8e-48aa-baec-279f8995d062 Poland<br>aa30ecc5-331c-4444-ae2a-cb674f72f639 Italy<br>49d87993-7558-48a5-93f2-25b8d823c678 Norway |
| Toxic Substances Control Act - TSCA | 1SCC340095D0201 |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SCC340015C0201 |
| Instructions and Manuals | 1SCC340016M0005 |
| Mechanical Drawings | OTKM108023PBL8RDD.stp |

## Environmental

| | |
|---|---|
| Degree of Protection | acc. to IEC 60529 IP65 |
| Pollution Degree | 3 |

## Ordering

| | |
|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85363090 |
| Country or Territory of Origin | Finland |

## Dimensions

| | |
|---|---|
| Product Net Width | 800 mm |
| Product Net Height | 1000 mm |
| Product Net Depth / | 230 mm |

© 2025 ABB. All rights reserved.

| | |
|---|---|
| Length | |
| Product Net Weight | 43.8 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 815 mm |
| Package Level 1 Depth / Length | 1310 mm |
| Package Level 1 Height | 425 mm |
| Package Level 1 Gross Weight | 50 kg |
| Package Level 1 EAN | 6417019233796 |

## Technical

| | |
|---|---|
| Cable Entry Position | Bottom/Bottom |
| Cable Outlets Per Side | Blank / 8xring-flange, Knock-outs: 3x10mm, 12.5mm, 20.5mm, 25.5mm, 32.5mm |
| Color | RAL7032 |
| Connecting Capacity Main Circuit | Hole Diameter 12 mm<br>Screw Clamp / PE Terminal 8pc,25 ... 120 mm² |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 570 A |
| Degree of Protection | acc. to IEC 60529 IP65 |
| Enclosure Material | Steel sheet |
| Handle Color | Red / Yellow |
| Handle Type | Pistol handle |
| Impact Resistance Rating | Housing IK09 |
| Maximum Mounted Auxiliary Contacts | 2 NO, 2 NC |
| Mounted Auxiliary Contacts | 2 NO, 1 NC |
| Neutral Type | No Neutral Terminal |
| Number of Auxiliary Contacts NC | 1 |
| Number of Auxiliary Contacts NO | 2 |
| Number of Poles | 3P |
| Pollution Degree | 3 |
| Power Loss | at Rated Operating Conditions per Pole 25 W |
| Rated Conditional Short-Circuit Current ($I_{nc}$) | 90 kA |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 20 kV |
| Rated Insulation Voltage ($U_i$) | 750 V |
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 570 A<br>(500 V) 570 A<br>(690 V) 570 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 570 A<br>(500 V) 570 A<br>(690 V) 570 A |
| Rated Operational Power AC-23A ($P_e$) | (380 ... 415 V) 315 kW<br>(500 V) 400 kW<br>(690 V) 560 kW |

© 2025 ABB. All rights reserved.

| | |
|---|---|
| Rated Operational Voltage | Main Circuit 1000 V |
| Rated Short-Circuit Making Capacity ($I_{cm}$) | (1000 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 20 kA |
| Recommended Screw Driver | Main Circuit M12 |
| Special Functions | EMC |
| Standards | IEC 60947-1, -3 |
| Tightening Torque | Main Circuit 75 N·m |

## Technical UL/CSA

| | |
|---|---|
| Recommended Screw Driver | Main Circuit M12 |
| Tightening Torque | Main Circuit 75 N·m |

## Certificates and Declarations

| | |
|---|---|
| Declaration of Conformity - CE | 1SCC340029D2704 |

## External Classifications and Standards

| | |
|---|---|
| Object Classification Code | Q |
| ETIM 9 | EC000216 - Switch disconnector (low voltage) |
| ETIM 10 | EC000216 - Switch disconnector (AC) |
| UNSPSC | 39122205 |
| IDEA Granular Category Code (IGCC) | 5166 >> Safety switch |
| eClass | V11.1 : 27371403 |
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |

## Categories

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

© 2025 ABB. All rights reserved.





© 2025 ABB. All rights reserved.