

## PRODUCT-DETAILS

# OT160KLAA3CZ

## OT160KLAA3CZ Enclosed change-over switch



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT160KLAA3CZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product ID            | 1SCA120677R1001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| EAN                   | 6417019521480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Catalog Description   | OT160KLAA3CZ Enclosed change-over switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Long Description      | <p>The transfer switch disconnecter 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). Cable entry plates needs to be added. There are different cable configurations, like top/bottom or bottom/bottom. The handle is padlockable for 3 padlocks, cover is interlocked, and interlock function can be bypassed for thermographing.</p> |

### Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85363090     |
| Country of Origin      | Finland (FI) |

### Popular Downloads

|                                   |                  |
|-----------------------------------|------------------|
| Data Sheet, Technical Information | 1SCC340015C0201  |
| Instructions and Manuals          | 1SCC340005M0007  |
| Mechanical Drawings               | OTKM604023PO.stp |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 400 mm   |
| Product Net Height         | 600 mm   |
| Product Net Depth / Length | 230 mm   |
| Product Net Weight         | 29.27 kg |

## Technical

|                                                          |                                                                                          |
|----------------------------------------------------------|------------------------------------------------------------------------------------------|
| Rated Operational Current<br>AC-22A ( $I_e$ )            | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                                  |
| Rated Operational Current<br>AC-23A ( $I_e$ )            | (380 ... 415 V) 160 A<br>(500 V) 160 A<br>(690 V) 160 A                                  |
| Conventional Thermal<br>Current ( $I_{the}$ )            | Fully Enclosed 160 A                                                                     |
| Rated Insulation Voltage<br>( $U_i$ )                    | acc. to IEC/EN 60664-1 750 V                                                             |
| Rated Operational Voltage                                | Main Circuit 750 V                                                                       |
| Rated Short-Circuit<br>Making Capacity ( $I_{cm}$ )      | (1000 V AC) 30 kA                                                                        |
| Rated Short-time<br>Withstand Current ( $I_{cw}$ )       | for 1 s 8 kA                                                                             |
| Rated Conditional Short-<br>Circuit Current ( $I_{nc}$ ) | 24 kA                                                                                    |
| Power Loss                                               | at Rated Operating Conditions per Pole 4 W                                               |
| Pollution Degree                                         | 3                                                                                        |
| Handle Color                                             | Black                                                                                    |
| Handle Type                                              | Pistol handle                                                                            |
| Position of Line Terminals                               | Top In - Bottom Out                                                                      |
| Standards                                                | IEC 60947-1, -3                                                                          |
| Number of Poles                                          | 3                                                                                        |
| Connecting Capacity Main<br>Circuit                      | Screw Clamp 8 mm <sup>2</sup><br>Screw Clamp / PE Terminal 4pcs, 10...70 mm <sup>2</sup> |
| Cable Entry Position                                     | Up/Down                                                                                  |
| Cable Outlets Per Side                                   | Open / Open                                                                              |
| Degree of Protection                                     | acc. to IEC 60529 IP65                                                                   |
| Enclosure Type                                           | MSC                                                                                      |
| Enclosure Material                                       | Steel sheet                                                                              |
| Maximum Mounted<br>Auxiliary Contacts                    | 4 NO, 2 NC                                                                               |
| Mounted Auxiliary<br>Contacts                            | 0 NO, 0 NC                                                                               |
| Number of Auxiliary<br>Contacts NC                       | 2                                                                                        |
| Number of Auxiliary<br>Contacts NO                       | 4                                                                                        |
| Terminal Type                                            | Screw Terminals                                                                          |
| Tightening Torque                                        | acc. IEC 60947-1 22 N·m                                                                  |
| Mechanical Durability                                    | 20000                                                                                    |

## Environmental

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

| Certificates and Declarations (Document Number) |                 |
|-------------------------------------------------|-----------------|
| Declaration of Conformity - CE                  | 1SCC340001D2703 |
| Instructions and Manuals                        | 1SCC340005M0007 |
| RoHS Information                                | 1SCC301183D0202 |

| Container Information          |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 415 mm        |
| Package Level 1 Depth / Length | 710 mm        |
| Package Level 1 Height         | 325 mm        |
| Package Level 1 Gross Weight   | 31 kg         |
| Package Level 1 EAN            | 6417019521480 |

| Classifications            |                                                             |
|----------------------------|-------------------------------------------------------------|
| Object Classification Code | Q                                                           |
| ETIM 7                     | EC000216 - Switch disconnecter                              |
| WEEE Category              | 4. Large Equipment (Any External Dimension More Than 50 cm) |

| Categories                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------|
| Low Voltage Products and Systems → Enclosed Switches → Enclosed Change-over and Transfer Switches → Enclosed Manual Change-over Switches |

