

## PRODUCT-DETAILS

# OT25F6

## OT25F6 SWITCH-DISCONNECTOR



### General Information

|                       |  |
|-----------------------|--|
| Extended Product Type | OT25F6   |
| Product ID            | 1SCA104880R1001  |
| EAN                   | 6417019390239  |
| Catalog Description   | OT25F6 SWITCH-DISCONNECTOR   |
| Long Description      | 6-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle and shaft are not included |

### Popular Downloads

|                                   |   |
|-----------------------------------|---|
| Data Sheet, Technical Information | 1SCC301020C0201                                     |
| Instructions and Manuals          | 1SCC301055M0003                                     |
| Mechanical Drawings               | 1SCC301442F0001<br>1SCC301441F0001<br>OT16-40F6.igs |

### Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 70 mm   |
| Product Net Height         | 68 mm   |
| Product Net Depth / Length | 68 mm   |
| Product Net Weight         | 0.21 kg |

## Technical

|  |  |
|--|--|
| Rated Operational Current AC-21A ( $I_e$ )         | (380 ... 415 V) 25 A<br>(500 V) 25 A<br>(690 V) 25 A                         |
| Rated Operational Current AC-22A ( $I_e$ )         | (380 ... 415 V) 25 A<br>(500 V) 25 A<br>(690 V) 25 A                         |
| Rated Operational Current AC-23A ( $I_e$ )         | (380 ... 415 V) 20 A<br>(500 V) 20 A<br>(690 V) 11 A                         |
| Rated Operational Power AC-23A ( $P_e$ )           | (220 ... 240 V) 4 kW<br>(400 ... 415 V) 9 kW<br>(500 V) 9 kW<br>(690 V) 9 kW |
| Conventional Free-air Thermal Current ( $I_{th}$ ) | q = 40 °C 32 A   |
| Conventional Thermal Current ( $I_{the}$ )         | Fully Enclosed 32 A  |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )      | 8 kV   |
| Rated Insulation Voltage ( $U_i$ )                 | acc. to IEC/EN 60664-1 750 V   |
| Rated Operational Voltage                          | Main Circuit 750 V   |
| Rated Short-Circuit Making Capacity ( $I_{cm}$ )   | (690 V) 0.71 kA  |
| Rated Short-time Withstand Current ( $I_{cw}$ )    | for 1 s 0.5 kA   |
| Power Loss   | at Rated Operating Conditions per Pole 0.6 W                                 |
| Pollution Degree                                   | 3  |
| Handle Type  | Knob<br>Handle and shaft not included  |
| Switches Operating Mechanism                       | Mechanism on Top of the Switch   |
| Distance Between Phases                            | Standard   |
| Position of Line Terminals                         | Top In - Bottom Out<br>Bottom In - Top Out                                   |
| Operating Mode                                     | Front operated   |
| Standards  | IEC 60947-3 / UL 508 / CSA C22.2 No. 14                                      |
| Special Functions                                  | No   |
| Mounting Type                                      | Base mounting  |
| Number of Poles                                    | 6  |
| Cable Cross-Section                                | Cu 0.75...10 mm <sup>2</sup>   |
| Degree of Protection                               | Front IP20   |
| Terminal Type                                      | Screw Terminals  |
| Tightening Torque                                  | acc. IEC 60947-1 0.8 N·m   |
| Mechanical Durability                              | 20000  |

## Technical UL/CSA

|                                  |  |
|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | 600 V  |
| Horsepower Rating UL/CSA         | (110 ... 120 V AC) Single Phase 1.5 Hp<br>(240 V AC) Single Phase 3 Hp<br>(440 ... 480 V AC) Single Phase 7.5 Hp<br>(550 ... 600 V AC) Single Phase 10 Hp<br>(220 ... 240 V AC) Three Phase 7.5 Hp<br>(440 ... 480 V AC) Three Phase 15 Hp<br>(550 ... 600 V AC) Three Phase 20 Hp |

|                             |         |
|-----------------------------|---------|
| Ampere Rating UL/CSA        | 30 A    |
| Tightening Torque<br>UL/CSA | 7 in·lb |

## Environmental

|                              |                                   |
|------------------------------|-----------------------------------|
| RoHS Status                  | Following EU Directive 2011/65/EU |
| Environmental<br>Information | 1SCC301183D0201                   |

## Certificates and Declarations (Document Number)

|                                   |                 |
|-----------------------------------|-----------------|
| Declaration of<br>Conformity - CE | 1SCC301166D2703 |
| Environmental<br>Information      | 1SCC301183D0201 |
| Instructions and<br>Manuals       | 1SCC301055M0003 |
| RoHS Information                  | 1SCC301183D0202 |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | 1 piece       |
| Package Level 1 Width             | 80 mm         |
| Package Level 1 Depth /<br>Length | 108 mm        |
| Package Level 1 Height            | 79 mm         |
| Package Level 1 Gross<br>Weight   | 0.25 kg       |
| Package Level 1 EAN               | 6417019390239 |

## Classifications

|                               |  |
|-------------------------------|--|
| Object Classification<br>Code | Q  |
| ETIM 5                        | EC000216 - Switch disconnecter                             |
| ETIM 6                        | EC000216 - Switch disconnecter                             |
| ETIM 7                        | EC000216 - Switch disconnecter                             |
| UNSPSC                        | 39122233   |
| WEEE Category                 | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

