PRODUCT-DETAILS

# OT40F3

# OT40F3 SWITCH-DISCONNECTOR




## General Information

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|---|---|
| Extended Product Type | OT40F3 |
| Product ID | 1SCA104902R1001 |
| EAN | 6417019390451 |
| Catalog Description | OT40F3 SWITCH-DISCONNECTOR |
| Long Description | 3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle and shaft are not included |

## Ordering

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|---|---|
| Minimum Order Quantity | 10 piece |
| Customs Tariff Number | 85365080 |
| Country of Origin | Finland (FI) |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SCC301020C0201 |
| Instructions and Manuals | 1SCC301052M0006 |
| Mechanical Drawings | 1SCC301434F0001<br>1SCC301433F0001<br>OT16-40F3.stp<br>OT16-40F3.igs |

## Dimensions

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|---|---|
| Product Net Width | 35 mm |
| Product Net Height | 68 mm |
| Product Net Depth / Length | 56 mm |
| Product Net Weight | 0.09 kg |

## Technical

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|---|---|
| Rated Operational Current AC-21A ($I_e$) | (380 ... 415 V) 40 A<br>(500 V) 40 A<br>(690 V) 40 A |
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 40 A<br>(500 V) 40 A<br>(690 V) 40 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 23 A<br>(500 V) 23 A<br>(690 V) 12 A |
| Rated Operational Power AC-23A ($P_e$) | (220 ... 240 V) 5.5 kW<br>(400 ... 415 V) 11 kW<br>(500 V) 11 kW<br>(690 V) 11 kW |
| Conventional Free-air Thermal Current ($I_{th}$) | q = 40 °C 40 A |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 40 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 Low Voltage ($I_{cw}$) | for 1 s 0.5 kA |
| Rated Conditional Short-Circuit Current ($I_{nc}$) | (40 A fuse, ≤415V) 50 kA<br>(25 A fuse, 690 V) 50 kA |
| Power Loss | at Rated Operating Conditions per Pole 1.6 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 | 3 |
| Cable Cross-Section | Cu 0.75 ... 10 mm² |
| Wire Stripping Length | Main Circuit 10 mm<br>Main Circuit 0.38 in |
| Degree of Protection | Front IP20 |
| Terminal Type | Screw Terminals |
| Tightening Torque | acc. IEC 60947-1 0.8 N·m |
| Mechanical Durability | 20000 |

| | |
|---|---|
| Lock Type | No |

## Technical UL/CSA

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|---|---|
| Maximum Operating Voltage UL/CSA | 600 V |
| Ampere Rating | 40 A |
| Horsepower Rating UL/CSA | (110 ... 120 V AC) Single Phase 2 Hp<br>(240 V AC) Single Phase 5 Hp<br>(440 ... 480 V AC) Single Phase 10 Hp<br>(550 ... 600 V AC) Single Phase 15 Hp<br>(220 ... 240 V AC) Three Phase 10 Hp<br>(440 ... 480 V AC) Three Phase 20 Hp<br>(550 ... 600 V AC) Three Phase 25 Hp |
| Tightening Torque | acc. IEC 60947-1 0.8 N·m |
| Tightening Torque UL/CSA | 7 in·lb |

## Environmental

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|---|---|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Environmental Information | 1SCC301262D0201 |

## Certificates and Declarations (Document Number)

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|---|---|
| ATEX Certificate | No certification needed |
| Declaration of Conformity - CE | 1SCC301166D2703 |
| Environmental Information | 1SCC301262D0201 |
| Instructions and Manuals | 1SCC301052M0006 |
| REACH Declaration | 1SCC011021D0201 |
| RoHS Information | 1SCC011020D0201 |
| UL Certificate | cULus certificate OT16-80 |
| VDE Certificate | No certification needed |

## Container Information

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|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 67 mm |
| Package Level 1 Depth / Length | 79 mm |
| Package Level 1 Height | 46 mm |
| Package Level 1 Gross Weight | 0.1 kg |
| Package Level 1 EAN | 6417019390451 |

## Classifications

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|---|---|
| Object Classification Code | Q |
| ETIM 5 | EC000216 - Switch disconnector |
| ETIM 6 | EC000216 - Switch disconnector |
| ETIM 7 | EC000216 - Switch disconnector |
| ETIM 8 | EC000216 - Switch disconnector |
| UNSPSC | 39122233 |
| eClass | V11.1 : 27371403 |

| | |
|---|---|
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland) | 3601438 |
| E-Number (Sweden) | 3170939 |

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

