



PRODUCT-DETAILS

# OT40F3

## OT40F3 SWITCH-DISCONNECTOR



| General Information   |                                                                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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-d disconnect switch with protected clamp terminals. handle and shaft are not included |

| Eco Transparency                        |                 |
|-----------------------------------------|-----------------|
| Environmental Product Declaration - EPD | 1SCC301278D0201 |

| Environmental             |                 |
|---------------------------|-----------------|
| Environmental Information | 1SCC301262D0201 |

| Material Compliance |  |
|---------------------|--|
|---------------------|--|

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                                        |
| REACH Declaration                           | 1SCC011021D0201                                                        |
| RoHS Information                            | 1SCC011020D0201                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances Control Act - TSCA         | 1SCC011025D0201                                                        |

Ordering

|                        |              |
|------------------------|--------------|
| 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 |
| Environmental Product Declaration - EPD | 1SCC301278D0201                                                      |

Dimensions

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

Technical

|                                                    |                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------|
| Rated Operational Current AC-21A ( $I_g$ )         | (380 ... 415 V) 40 A<br>(500 V) 40 A<br>(690 V) 40 A                              |
| Rated Operational Current AC-22A ( $I_g$ )         | (380 ... 415 V) 40 A<br>(500 V) 40 A<br>(690 V) 40 A                              |
| Rated Operational Current AC-23A ( $I_g$ )         | (380 ... 415 V) 23 A<br>(500 V) 23 A<br>(690 V) 12 A                              |
| Rated Operational Power AC-23A ( $P_g$ )           | (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 ( $I_{th}$ ) | $\Theta = 40\text{ }^{\circ}\text{C}$ 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 mm <sup>2</sup>                       |
| 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

|                                  |                                                                                                                                                                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Wire Stripping Length            | Main Circuit 10 mm<br>Main Circuit 0.38 in                                                                                                                                                                                                                                     |
| Tightening Torque                | acc. IEC 60947-1 0.8 N·m                                                                                                                                                                                                                                                       |
| Tightening Torque UL/CSA         | 7 in·lb                                                                                                                                                                                                                                                                        |

Certificates and Declarations

|                                |                           |
|--------------------------------|---------------------------|
| A2L Certificate - IEC          | 1SCC301335D0201           |
| ATEX Certificate               | No certification needed   |
| Declaration of Conformity - CE | 1SCC301166D2703           |
| UL Certificate                 | cULus certificate OT16-80 |
| VDE Certificate                | No certification needed   |

Container Information

|                                |             |
|--------------------------------|-------------|
| 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

|                                    |                                                            |
|------------------------------------|------------------------------------------------------------|
| Object Classification Code         | Q                                                          |
| ETIM 8                             | EC000216 - Switch disconnect                               |
| ETIM 9                             | EC000216 - Switch disconnect (low voltage)                 |
| UNSPSC                             | 39122233                                                   |
| IDEA Granular Category Code (IGCC) | 5290 >> Disconnect switch                                  |
| 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

