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 PRODUCT-DETAILS

# OT40F8

## OT40F8 SWITCH-DISCONNECTOR




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**General Information**

|                       |  |
|-----------------------|--|
| Extended Product Type | OT40F8   |
| Product ID            | 1SCA104938R1001  |
| EAN                   | 6417019390789  |
| Catalog Description   | OT40F8 SWITCH-DISCONNECTOR   |
| Long Description      | 8-pole, front operated, base mounted, DIN-rail mountable switch-diconector / non-fusible disconnect switch with protected clamp terminals, handle and shaft are not included |

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**Circular Value**

|   |                 |
|---|-----------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Environmental Information                   | 1SCC301262D0201 |
| Environmental Product Declaration - EPD     | 1SCC301278D0201 |
| REACH Declaration                           | 1SCC011021D0201 |
| RoHS Information                            | 1SCC011020D0201 |

Toxic Substances  
Control Act - TSCA

1SCC011025D0201

## Eco Transparency

Environmental Product  
Declaration - EPD

1SCC301278D0201

## Ordering

Minimum Order Quantity

1 piece

Customs Tariff Number

85365080

Country of Origin

Finland (FI)

## Popular Downloads

Data Sheet, Technical  
Information

1SCC301020C0201

Instructions and  
Manuals

1SCC301055M0003

Mechanical Drawings

1SCC301444F0001  
1SCC301443F0001  
OT16-40F8.stp  
OT16-40F8.igs

Environmental Product  
Declaration - EPD

1SCC301278D0201

## Dimensions

Product Net Width

83 mm

Product Net Height

68 mm

Product Net Depth /  
Length

68 mm

Product Net Weight

0.27 kg

## Technical

Rated Operational  
Current AC-21A ( $I_e$ )

(380 ... 415 V) 40 A  
(500 V) 40 A  
(690 V) 40 A

Rated Operational  
Current AC-22A ( $I_e$ )

(380 ... 415 V) 40 A  
(500 V) 40 A  
(690 V) 40 A

Rated Operational  
Current AC-23A ( $I_e$ )

(380 ... 415 V) 23 A  
(500 V) 23 A  
(690 V) 12 A

Rated Operational  
Current DC-21B ( $I_e$ )

(750 V) 32 A  
(550 V) 32 A  
(800 V) 16 A

Rated Operational Power  
AC-23A ( $P_e$ )

(220 ... 240 V) 5.5 kW  
(400 ... 415 V) 11 kW  
(500 V) 11 kW  
(690 V) 11 kW

Conventional Free-air  
Thermal Current ( $I_{th}$ )

 $\Theta = 40\text{ °C}$  40 A

Conventional Thermal

Fully Enclosed 40 A

|   |   |
|---|---|
| Current ( $I_{the}$ )                                       |   |
| 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, $\leq 415V$ ) 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                       |
| Fourth Pole Position  | Left and Right Side   |
| Fourth Pole Type  | Switched - Simultaneous Function                            |
| 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   | 8   |
| 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   |
| 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 |
| Tightening Torque                | acc. IEC 60947-1 0.8 N·m   |
| Tightening Torque UL/CSA         | 7 in·lb  |

## Environmental

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

|                                     |                 |
|-------------------------------------|-----------------|
| Environmental Information           | 1SCC301262D0201 |
| Toxic Substances Control Act - TSCA | 1SCC011025D0201 |

## Certificates and Declarations

|                                |                           |
|--------------------------------|---------------------------|
| A2L Certificate – IEC          | 1SCC301335D0201           |
| ATEX Certificate               | No certification needed   |
| Declaration of Conformity - CE | 1SCC301166D2703           |
| REACH Declaration              | 1SCC011021D0201           |
| UL Certificate                 | cULus certificate OT16-80 |
| VDE Certificate                | No certification needed   |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 80 mm         |
| Package Level 1 Depth / Length | 112 mm        |
| Package Level 1 Height         | 80 mm         |
| Package Level 1 Gross Weight   | 0.31 kg       |
| Package Level 1 EAN            | 6417019390789 |

## Classifications

|                                    |  |
|------------------------------------|--|
| Object Classification Code         | Q  |
| ETIM 7                             | EC000216 - Switch disconnecter                             |
| ETIM 8                             | EC000216 - Switch disconnecter                             |
| ETIM 9                             | EC000216 - Switch disconnecter (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)                 | 3601445  |

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

