



 PRODUCT-DETAILS

OT25F3

OT25F3 SWITCH-DISCONNECTOR



General Information

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|-----------------------|---|
| Extended Product Type | OT25F3 |
| Product ID | 1SCA104857R1001 |
| EAN | 6417019390000 |
| Catalog Description | OT25F3 SWITCH-DISCONNECTOR |
| Long Description | 3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible disconnect switch with protected clamp terminals, handle and shaft are not included |

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

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
1SCC301433F0001
OT16-40F3.stp
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_e)

(380 ... 415 V) 25 A
(500 V) 25 A
(690 V) 25 A

Rated Operational
Current AC-22A (I_e)

(380 ... 415 V) 25 A
(500 V) 25 A
(690 V) 25 A

Rated Operational
Current AC-23A (I_e)

(380 ... 415 V) 20 A
(500 V) 20 A
(690 V) 11 A

Rated Operational Power
AC-23A (P_e)

(220 ... 240 V) 4 kW
(400 ... 415 V) 9 kW
(500 V) 9 kW
(690 V) 9 kW

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

 $\Theta = 40\text{ °C}$ 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 Low Voltage (I _{cw}) | for 1 s 0.5 kA |
| Rated Conditional Short-Circuit Current (I _{nc}) | (40 A fuse, ≤415V) 50 kA (25 A fuse, 690 V) 50 kA |
| Power Loss | at Rated Operating Conditions per Pole 0.6 W |
| Pollution Degree | 3 |
| Handle Type | Knob 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 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 ² |
| Wire Stripping Length | Main Circuit 9-10 mm Main Circuit 0.35-0.38 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 | 30 A |
| Horsepower Rating UL/CSA | (110 ... 120 V AC) Single Phase 1.5 Hp (240 V AC) Single Phase 3 Hp (440 ... 480 V AC) Single Phase 7.5 Hp (550 ... 600 V AC) Single Phase 10 Hp (220 ... 240 V AC) Three Phase 7,5 Hp (440 ... 480 V AC) Three Phase 15 Hp (550 ... 600 V AC) Three Phase 20 Hp |
| Wire Stripping Length | Main Circuit 9-10 mm Main Circuit 0.35-0.38 in |
| 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 | 1SCC301262D0201 |

Information

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|-------------------------------------|-----------------|
| Toxic Substances Control Act - TSCA | 1SCC011025D0201 |
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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

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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 | 6417019390000 |

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) | 3601428 |
| E-Number (Sweden) | 3170938 |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

