



 PRODUCT-DETAILS

OT125F3

OT125F3 SWITCH-DISCONNECTOR



General Information

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|-----------------------|--|
| Extended Product Type | OT125F3 |
| Product ID | 1SCA105033R1001 |
| EAN | 6417019391632 |
| Catalog Description | OT125F3 SWITCH-DISCONNECTOR |
| Long Description | 3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with front protected clamp terminals, handle and shaft are not included |

Circular Value

| | |
|---|-----------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Environmental Information | 1SCC301264D0201 |
| Environmental Product Declaration - EPD | 1SCC301280D0201 |
| REACH Declaration | 1SCC011021D0201 |
| RoHS Information | 1SCC011020D0201 |

Toxic Substances
Control Act - TSCA

1SCC011025D0201

Eco Transparency

Environmental Product
Declaration - EPD

1SCC301280D0201

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

1SCC301058M0008

Mechanical Drawings

1SCC301466F0001
1SCC301465F0001
OT100-125F3.igs

Environmental Product
Declaration - EPD

1SCC301280D0201

Dimensions

Product Net Width

70 mm

Product Net Height

100 mm

Product Net Depth /
Length

74 mm

Product Net Weight

0.36 kg

Technical

Rated Operational
Current AC-21A (I_e)

(380 ... 415 V) 125 A
(500 V) 125 A
(690 V) 125 A

Rated Operational
Current AC-22A (I_e)

(380 ... 415 V) 125 A
(500 V) 125 A
(690 V) 125 A

Rated Operational
Current AC-23A (I_e)

(380 ... 415 V) 90 A
(500 V) 70 A
(690 V) 50 A

Rated Operational Power
AC-23A (P_e)

(220 ... 240 V) 22 kW
(400 ... 415 V) 45 kW
(500 V) 45 kW
(690 V) 45 kW

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

 $\Theta = 40^\circ\text{C}$ 125 A

Conventional Thermal
Current (I_{the})

Fully Enclosed 125 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) 3.6 kA |
| Rated Short-time Withstand Current Low Voltage (I _{cw}) | for 1 s 2.5 kA |
| Rated Conditional Short-Circuit Current (I _{nc}) | (125 A fuse, 415 V) 50 kA (125 A fuse, 690 V) 10 kA (63 A fuse, 690 V) 50 kA |
| Power Loss | at Rated Operating Conditions per Pole 6.3 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 |
| Special Functions | No |
| Mounting Type | Base mounting |
| Number of Poles | 3 |
| Cable Cross-Section | Cu 10 ... 70 mm ² |
| Degree of Protection | Front IP20 |
| Terminal Type | Screw Terminals |
| Tightening Torque | acc. IEC 60947-1 6 N·m |
| Mechanical Durability | 20000 |
| Lock Type | No |

Technical UL/CSA

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|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | 600 V |
| Ampere Rating | 100 A |
| Horsepower Rating UL/CSA | (acc. to UL 200 V) 25 Hp (acc. to UL 480 V) 50 Hp (acc. to UL 240 V) 30 Hp (acc. to UL 208 V) 25 Hp (acc. to UL 600 V) 50 Hp |
| Tightening Torque | acc. IEC 60947-1 6 N·m |

Environmental

| | |
|-------------------------------------|--|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Environmental Information | 1SCC301264D0201 |
| Toxic Substances Control Act - TSCA | 1SCC011025D0201 |

Certificates and Declarations

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|-----------------------|-----------------|
| A2L Certificate – IEC | 1SCC301335D0201 |
|-----------------------|-----------------|

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|--------------------------------|----------------------------|
| ATEX Certificate | No certification needed |
| Declaration of Conformity - CE | 1SCC301168D2702 |
| REACH Declaration | 1SCC011021D0201 |
| UL Certificate | cULus certificate OT30-125 |
| VDE Certificate | No certification needed |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 81 mm |
| Package Level 1 Depth / Length | 112 mm |
| Package Level 1 Height | 86 mm |
| Package Level 1 Gross Weight | 0.39 kg |
| Package Level 1 EAN | 6417019391632 |

Classifications

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|------------------------------------|--|
| 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) | 3601409 |
| E-Number (Sweden) | 3170943 |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

