



PRODUCT-DETAILS

OT125F4N2
OT125F4N2 SWITCH-DISCONNECTOR



| General Information | |
|-----------------------|---|
| Extended Product Type | OT125F4N2 |
| Product ID | 1SCA105051R1001 |
| EAN | 6417019391816 |
| Catalog Description | OT125F4N2 SWITCH-DISCONNECTOR |
| Long Description | 4-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible disconnect 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 |

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|---|-----------------|
| Eco Transparency | |
| Environmental Product Declaration - EPD | 1SCC301280D0201 |

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

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| Popular Downloads | |
| Data Sheet, Technical Information | 1SCC301020C0201 |
| Instructions and Manuals | 1SCC301058M0008 |
| Mechanical Drawings | 1SCC301468F0001 1SCC301467F0001 OT100-125F4N2.stp OT100-125F4N2.igs |
| Environmental Product Declaration - EPD | 1SCC301280D0201 |

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| Dimensions | |
| Product Net Width | 96.5 mm |
| Product Net Height | 100 mm |
| Product Net Depth / Length | 74 mm |
| Product Net Weight | 0.49 kg |

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| 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}) | $\Theta = 40\text{ }^{\circ}\text{C}$ 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- | (125 A fuse, 415 V) 50 kA |

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| Circuit Current (I_{nc}) | (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 |
| Fourth Pole Position | 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 Bottom In - Top Out |
| Operating Mode | Front operated |
| Standards | IEC 60947-3 |
| Special Functions | No |
| Mounting Type | Base mounting |
| Number of Poles | 4 |
| 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

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| 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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|--------------------------------|----------------------------|
| 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 | 86 mm |
| Package Level 1 Depth / Length | 112 mm |

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|------------------------------|---------------|
| Package Level 1 Height | 109 mm |
| Package Level 1 Gross Weight | 0.52 kg |
| Package Level 1 EAN | 6417019391816 |

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) | 3601413 |
| E-Number (Sweden) | 3171074 |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

