



PRODUCT-DETAILS

OT125F6

OT125F6 SWITCH-DISCONNECTOR



| General Information | |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT125F6 |
| Product ID | 1SCA105057R1001 |
| EAN | 6417019391878 |
| Catalog Description | OT125F6 SWITCH-DISCONNECTOR |
| Long Description | 6-pole, front operated, base mounted, DIN-rail mountable switch-d 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 | 1 piece |
| Customs Tariff Number | 85365080 |
| Country of Origin | Finland (FI) |

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| Popular Downloads | |
| Data Sheet, Technical Information | 1SCC301020C0201 |
| Instructions and Manuals | 1SCC301059M0005 |
| Mechanical Drawings | 1SCC301474F0001 1SCC301473F0001 OT100-125F6.igs |
| Environmental Product Declaration - EPD | 1SCC301280D0201 |

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| Dimensions | |
| Product Net Width | 140 mm |
| Product Net Height | 100 mm |
| Product Net Depth / Length | 86 mm |
| Product Net Weight | 1.1 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-Circuit Current (I_{nc}) | (125 A fuse, 415 V) 50 kA (125 A fuse, 690 V) 10 kA |

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|------------------------------|-----------------------------------------------------------------|
| | (63 A fuse, 690 V) 50 kA |
| Power Loss | at Rated Operating Conditions per Pole 6.3 W |
| Pollution Degree | 3 |
| Handle Type | Knob |
| Switches Operating Mechanism | Handle and shaft not included 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 | 6 |
| Cable Cross-Section | Cu 10 ... 70 mm² |
| 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 | 103 mm |
| Package Level 1 Depth / Length | 205 mm |
| Package Level 1 Height | 102 mm |
| Package Level 1 Gross Weight | 1.1 kg |

Package Level 1 EAN

6417019391878

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) | 5293 >> Switch disconnecter |
| eClass | V11.1 : 27371403 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland) | 3601415 |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

