



PRODUCT-DETAILS

OT100F8

OT100F8 SWITCH-DISCONNECTOR



| General Information | |
|-----------------------|---|
| Extended Product Type | OT100F8 |
| Product ID | 1SCA105022R1001 |
| EAN | 6417019391533 |
| Catalog Description | OT100F8 SWITCH-DISCONNECTOR |
| Long Description | 8-pole, front operated, base mounted, DIN-rail mountable switch-diconductor / 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 | 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 | 1SCC301476F0001 1SCC301475F0001 OT100-125F8.igs |
| Environmental Product Declaration - EPD | 1SCC301280D0201 |

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| Dimensions | |
| Product Net Width | 193 mm |
| Product Net Height | 100 mm |
| Product Net Depth / Length | 86 mm |
| Product Net Weight | 1.3 kg |

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| Technical | |
| Rated Operational Current AC-21A (I_e) | (380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A |
| Rated Operational Current AC-22A (I_e) | (380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A |
| Rated Operational Current AC-23A (I_e) | (380 ... 415 V) 80 A (500 V) 60 A (690 V) 40 A |
| Rated Operational Power AC-23A (P_e) | (220 ... 240 V) 22 kW (400 ... 415 V) 37 kW (500 V) 37 kW (690 V) 37 kW |
| Conventional Free-air Thermal Current (I_{th}) | $\Theta = 40\text{ }^{\circ}\text{C}$ 115 A |
| Conventional Thermal Current (I_{the}) | Fully Enclosed 115 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 4.0 W |
| Pollution Degree | 3 |
| Handle Type | Knob |
| | 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 Bottom In - Top Out |
| Operating Mode | Front operated |
| Standards | IEC 60947-3 / UL 98 / CSA C22.2 NO.4 |
| Special Functions | No |
| Mounting Type | Base mounting |
| Number of Poles | 8 |
| 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 | (110 ... 120 V AC) Single Phase 5 Hp (240 V AC) Single Phase 15 Hp (440 ... 480 V AC) Single Phase 25 Hp (550 ... 600 V AC) Single Phase 20 Hp (220 ... 240 V AC) Three Phase 30 Hp (440 ... 480 V AC) Three Phase 50 Hp (550 ... 600 V AC) Three Phase 50 Hp |
| Tightening Torque | acc. IEC 60947-1 6 N·m |
| Tightening Torque UL/CSA | 55 in·lb |

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 |

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| Package Level 1 Depth / Length | 205 mm |
| Package Level 1 Height | 102 mm |
| Package Level 1 Gross Weight | 1.4 kg |
| Package Level 1 EAN | 6417019391533 |

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) | 3601406 |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

