

PRODUCT-DETAILS

OT100F4N2

OT100F4N2 SWITCH-DISCONNECTOR



General Information

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| Extended Product Type | OT100F4N2 |
| Product ID | 1SCA105018R1001 |
| EAN | 6417019391496 |
| Catalog Description | OT100F4N2 SWITCH-DISCONNECTOR |
| Long Description | 4-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 |

Popular Downloads

| | |
|-----------------------------------|--|
| Data Sheet, Technical Information | 1SCC301020C0201 |
| Instructions and Manuals | 1SCC301058M0008 |
| Mechanical Drawings | 1SCC301468F0001 1SCC301467F0001 OT100-125F4N2.stp OT100-125F4N2.igs |

Dimensions

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|----------------------------|---------|
| Product Net Width | 100 mm |
| Product Net Height | 96.5 mm |
| Product Net Depth / Length | 74 mm |

Product Net Weight 0.49 kg

Technical

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| 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}) | q = 40 °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 (I_{cw}) | for 1 s 2.5 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 | 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 | 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 |

Technical UL/CSA

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|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | 600 V |
| 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

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|-----------------------------|----------|
| Ampere Rating UL/CSA | 100 A |
| Tightening Torque UL/CSA | 55 in·lb |

Environmental

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|------------------------------|-----------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
| Environmental Information | 1SCC301183D0201 |

Certificates and Declarations (Document Number)

| | |
|-----------------------------------|-----------------|
| Declaration of Conformity - CE | 1SCC301168D2702 |
| Environmental Information | 1SCC301183D0201 |
| Instructions and Manuals | 1SCC301058M0008 |
| RoHS Information | 1SCC301183D0202 |

Container Information

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|-----------------------------------|---------------|
| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 109 mm |
| Package Level 1 Depth / Length | 112 mm |
| Package Level 1 Height | 86 mm |
| Package Level 1 Gross Weight | 0.52 kg |
| Package Level 1 EAN | 6417019391496 |

Classifications

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|-------------------------------|--|
| Object Classification Code | Q |
| ETIM 5 | EC000216 - Switch disconnecter |
| ETIM 6 | EC000216 - Switch disconnecter |
| ETIM 7 | EC000216 - Switch disconnecter |
| UNSPSC | 39122233 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Sweden) | 3171073 |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

