

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 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<br>1SCC301467F0001<br>OT100-125F4N2.stp<br>OT100-125F4N2.igs |

### Dimensions

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

Product Net Weight

0.49 kg

**Technical**

|  |  |
|--|--|
| Rated Operational Current AC-21A ( $I_e$ )         | (380 ... 415 V) 125 A<br>(500 V) 125 A<br>(690 V) 125 A                          |
| Rated Operational Current AC-22A ( $I_e$ )         | (380 ... 415 V) 125 A<br>(500 V) 125 A<br>(690 V) 125 A                          |
| Rated Operational Current AC-23A ( $I_e$ )         | (380 ... 415 V) 90 A<br>(500 V) 70 A<br>(690 V) 50 A                             |
| Rated Operational Power AC-23A ( $P_e$ )           | (220 ... 240 V) 22 kW<br>(400 ... 415 V) 45 kW<br>(500 V) 45 kW<br>(690 V) 45 kW |
| Conventional Free-air Thermal Current ( $I_{th}$ ) | q = 40 °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 ( $I_{cw}$ )    | for 1 s 2.5 kA   |
| Power Loss   | at Rated Operating Conditions per Pole 6.3 W                                     |
| Pollution Degree                                   | 3  |
| Handle Type  | Knob<br>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<br>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 <sup>2</sup>   |
| Degree of Protection                               | Front IP20   |
| Terminal Type                                      | Screw Terminals  |
| Tightening Torque                                  | acc. IEC 60947-1 6 N·m   |
| Mechanical Durability                              | 20000  |

**Technical UL/CSA**

|                                  |  |
|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | 600 V  |
| Horsepower Rating UL/CSA         | (acc. to UL 200 V) 25 Hp<br>(acc. to UL 480 V) 50 Hp<br>(acc. to UL 240 V) 30 Hp |

(acc. to UL 208 V) 25 Hp  
(acc. to UL 600 V) 50 Hp

Ampere Rating UL/CSA 100 A

## Environmental

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

Package Level 1 Units 1 piece  
Package Level 1 Width 86 mm  
Package Level 1 Depth / Length 112 mm  
Package Level 1 Height 109 mm  
Package Level 1 Gross Weight 0.52 kg  
Package Level 1 EAN 6417019391816

## Classifications

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) 3171074

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

