

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 1SCC301467F0001 OT100-125F4N2.stp 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 (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 ( $I_{th}$ )	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 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 <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 (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

Ampere Rating UL/CSA	100 A
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## 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

