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**PRODUCT-DETAILS**

## OT125F4N2

### OT125F4N2 SWITCH-DISCONNECTOR



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#### 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-discriminator / non-fusible disconnect switch with front protected clamp terminals, handle and shaft are not included

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#### Ordering

Minimum Order Quantity	10 piece
Customs Tariff Number	85365080
Country of Origin	Finland (FI)

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#### 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 ( $I_{th}$ )	$q = 40 \text{ }^{\circ}\text{C} 125 \text{ A}$
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 (63 A fuse, 690 V) 50 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
Lock Type	No

## Technical UL/CSA

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

RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Environmental Information	ISCC301264D0201

## Certificates and Declarations (Document Number)

ATEX Certificate	No certification needed
Declaration of Conformity - CE	ISCC301168D2702
Environmental Information	ISCC301264D0201
Instructions and Manuals	ISCC301058M0008
REACH Declaration	ISCC011021D0201
RoHS Information	ISCC011020D0201
UL Certificate	cULus certificate OT30-125
VDE Certificate	No certification needed

## Container Information

Package Level 1 Units	box 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 disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
ETIM 8	EC000216 - Switch disconnector
UNSPSC	39122233
eClass	V11.1 : 27371403

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601413
E-Number (Sweden)	3171074

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## Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

