

PRODUCT-DETAILS

# OT125F6

## OT125F6 SWITCH-DISCONNECTOR



### General Information

Extended Product Type	OT125F6
Product ID	1SCA105057R1001
EAN	6417019391878
Catalog Description	OT125F6 SWITCH-DISCONNECTOR
Long Description	6-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

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country of Origin	Finland (FI)

### Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301059M0005
Mechanical Drawings	1SCC301474F0001 1SCC301473F0001 OT100-125F6.igs

## Dimensions

Product Net Width	140 mm
Product Net Height	100 mm
Product Net Depth / Length	86 mm
Product Net Weight	1.1 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 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
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	6
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

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## Technical UL/CSA

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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

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## Environmental

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RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Environmental Information	1SCC301264D0201

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## Certificates and Declarations (Document Number)

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ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301168D2702
Environmental Information	1SCC301264D0201
Instructions and Manuals	1SCC301059M0005
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201
UL Certificate	cULus certificate OT30-125
VDE Certificate	No certification needed

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## Container Information

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Package Level 1 Units	box 1 piece
Package Level 1 Width	103 mm
Package Level 1 Depth / Length	205 mm
Package Level 1 Height	102 mm
Package Level 1 Gross Weight	1.1 kg
Package Level 1 EAN	6417019391878

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## Classifications

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Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnecter
ETIM 6	EC000216 - Switch disconnecter
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601415

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## Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

