

PRODUCT-DETAILS

# OT100F3

## OT100F3 SWITCH-DISCONNECTOR



### General Information

Extended Product Type	OT100F3
Product ID	1SCA105004R1001
EAN	6417019391359
Catalog Description	OT100F3 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted, DIN-rail mountable switch-d disconnect switch with front protected clamp terminals, handle and shaft are not included

### Circular Value

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Environmental Information	1SCC301264D0201
Environmental Product Declaration - EPD	1SCC301280D0201
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201
Toxic Substances Control Act - TSCA	1SCC011025D0201

## Eco Transparency

Environmental Product Declaration - EPD	1SCC301280D0201
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## Ordering

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

## Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301058M0008
Mechanical Drawings	1SCC301466F0001 1SCC301465F0001 OT100-125F3.igs
Environmental Product Declaration - EPD	1SCC301280D0201

## Dimensions

Product Net Width	70 mm
Product Net Height	100 mm
Product Net Depth / Length	74 mm
Product Net Weight	0.36 kg

## Technical

Rated Operational Current AC-21A ( $I_g$ )	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-22A ( $I_g$ )	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-23A ( $I_g$ )	(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 ( $I_{th}$ )	$\Theta = 40\text{ °C}$ 115 A
Conventional Thermal Current ( $I_{the}$ )	Fully Enclosed 115 A
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Rated Insulation Voltage	acc. to IEC/EN 60664-1 750 V

(U<sub>i</sub>)

Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I <sub>cm</sub> )	(690 V) 3.6 kA
Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> )	for 1 s 2.5 kA
Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	(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 4.0 W
Pollution Degree	3
Handle Color	Black
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 / UL 98 / CSA C22.2 NO.4
Special Functions	No
Mounting Type	Base mounting
Number of Poles	3
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	(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
Tightening Torque	acc. IEC 60947-1 6 N·m
Tightening Torque UL/CSA	55 in·lb

## Environmental

RoHS Status

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Environmental Information	1SCC301264D0201
Toxic Substances Control Act - TSCA	1SCC011025D0201

## Certificates and Declarations

ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301168D2702
REACH Declaration	1SCC011021D0201
UL Certificate	cULus certificate OT30-125
VDE Certificate	No certification needed

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	81 mm
Package Level 1 Depth / Length	112 mm
Package Level 1 Height	86 mm
Package Level 1 Gross Weight	0.39 kg
Package Level 1 EAN	6417019391359

## Classifications

Object Classification Code	Q
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
ETIM 9	EC000216 - Switch disconnecter (low voltage)
UNSPSC	39122233
IDEA Granular Category Code (IGCC)	5290 >> Disconnect switch
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601400
E-Number (Sweden)	3170942

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

