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 PRODUCT-DETAILS

# OT100F3

## OT100F3 SWITCH-DISCONNECTOR




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

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### Popular Downloads

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

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### Dimensions

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

<b>Technical</b>	
Rated Operational Current AC-21A (I <sub>e</sub> )	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-22A (I <sub>e</sub> )	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-23A (I <sub>e</sub> )	(380 ... 415 V) 80 A (500 V) 60 A (690 V) 40 A
Rated Operational Power AC-23A (P <sub>e</sub> )	(220 ... 240 V) 22 kW (400 ... 415 V) 37 kW (500 V) 37 kW (690 V) 37 kW
Conventional Free-air Thermal Current (I <sub>th</sub> )	q = 40 °C 115 A
Conventional Thermal Current (I <sub>the</sub> )	Fully Enclosed 115 A
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	8 kV
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 750 V
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 (I <sub>cw</sub> )	for 1 s 2.5 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

### Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
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

Ampere Rating UL/CSA	100 A
Tightening Torque UL/CSA	55 in-lb

## 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	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 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)	3170942

## Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

OT100F3





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