

Products → Low Voltage Products and Systems → Switches → Switch Disconnectors

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

Ordering

Minimum Order Quantity:	10 piece
Customs Tariff Number:	85365080

Popular Downloads

Data Sheet, Technical Information:	1SCC301020C0201
Instructions and Manuals:	1SCC301058M0001

Dimensions

Product Net Width:	70 mm
Product Net Height:	100 mm
Product Net Depth:	74 mm
Product Net Weight:	0.4 kg

Technical

Rated Operational Current AC-21A (I_e):	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-22A (I_e):	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-23A (I_e):	(500 V) 60 A (380 ... 415 V) 80 A (690 V) 40 A
Rated Operational Power AC-23A (P_e):	(380 ... 415 V) 37 kW (500 V) 37 kW (690 V) 37 kW
Conventional Free-air Thermal Current (I_{th}):	q = 40 °C 115 A

Conventional Thermal Current (I_{the}):	Fully Enclosed 115 A
Rated Impulse Withstand Voltage (U_{imp}):	8 kV
Rated Insulation Voltage (U_i):	750 V
Rated Operational Voltage:	750 V
Rated Short-Circuit Making Capacity (I_{cm}):	(690 V AC) 3.6 kA
Rated Short-time Withstand Current (I_{cw}):	for 1 s 2.5 kiloampere rms
Power Loss:	at Rated Operating Conditions per Pole 0.36 W at Rated Operating Conditions per Pole 4 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, UL 98 / CSA C22.2 NO.4
Special Functions:	No
Mounting Type:	Base mounting
Number of Poles:	3
Cable Cross-Section:	10 ... 70 mm ²
Terminal Type:	Screw Terminals
Tightening Torque:	6 N·m

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
Tightening Torque UL/CSA:	55 in·lb

Environmental

Environmental Information:	1SCC301183D0201
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Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	1SCC301168D2702
Environmental Information:	1SCC301183D0201
Instructions and Manuals:	1SCC301058M0001
RoHS Information:	1SCC301183D0201

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	81 mm
Package Level 1 Length:	112 mm
Package Level 1 Height:	86 mm
Package Level 1 Gross Weight:	0.4 kg
Package Level 1 EAN:	6417019391359

Classifications

E-number:	3170942
Object Classification Code:	Q
ETIM 5:	EC000216 - Switch disconnecter
ETIM 6:	EC000216 - Switch disconnecter

