

PRODUCT-DETAILS

OT100FT3

OT100FT3 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT100FT3
Product ID	1SCA105023R1001
EAN	6417019391540
Catalog Description	OT100FT3 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, door mounted, switch-diconnector / non-fusible diconnect switch with front protected clamp terminals, handle and shaft are not included

Circular Value

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Environmental Information	1SCC301264D0201
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201

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	1SCC301057M0007
Mechanical Drawings	1SCC301470F0001 1SCC301469F0001 OT125FT3.igs

Dimensions

Product Net Width	70 mm
Product Net Height	100 mm
Product Net Depth / Length	66.5 mm
Product Net Weight	0.415 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)	(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 (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 4.0 W

Pollution Degree	3
Handle Type	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	Door mounting
Number of Poles	3
Cable Cross-Section	Cu 10 ... 70 mm ²
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

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	79 mm
Package Level 1 Gross Weight	0.44 kg
Package Level 1 EAN	6417019391540

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)	3601407
E-Number (Sweden)	3170949

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

