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

ABB EcoSolutions

Environmental Information	1SCC301264D0201
Environmental Product Declaration - EPD	1SCC301280D0201

Material Compliance

Conflict Minerals Reporting Template	9AKK108467A5658

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(CMRT)	
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	1SCC011025D0201

Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301057M0007
Mechanical Drawings	1SCC301470F0001 1SCC301469F0001 OT125FT3.igs
Environmental Product Declaration - EPD	1SCC301280D0201

Environmental

Degree of Protection	Front IP20
Environmental Information	1SCC301264D0201
Pollution Degree	3

Ordering

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

Dimensions

Product Net Width	70 mm
Product Net Height	100 mm
Product Net Depth / Length	66.5 mm
Product Net Weight	0.415 kg

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

Technical

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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})	Θ = 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)	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
Connecting Capacity Main Circuit	Flexible 1x Cu 10…70 mm² Stranded 1x Cu 10…70 mm²
Cable Cross-Section	Cu 10 ... 70 mm²
Wire Stripping Length	Main Circuit 18-21 mm
Recommended Screw Driver	Main Circuit Hexagon 4
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

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
Wire Stripping Length	Main Circuit 18-21 mm
Recommended Screw Driver	Main Circuit Hexagon 4
Tightening Torque	acc. IEC 60947-1 6 N·m
Tightening Torque UL/CSA	55 in·lb

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301168D2702
UL Certificate	cULus certificate OT30-125
VDE Certificate	No certification needed

Classifications

Object Classification Code	Q
ETIM 8	EC000216 - Switch disconnector
ETIM 9	EC000216 - Switch disconnector (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 (Norway)	4363544
E-Number (Sweden)	3170949

Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors



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