PRODUCT-DETAILS

OT125FT4N2

OT125FT4N2 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT125FT4N2
Product ID	1SCA105066R1001
EAN	6417019391960
Catalog Description	OT125FT4N2 SWITCH-DISCONNECTOR
Long Description	4-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	1SCC301472F0001 1SCC301471F0001 OT100-125FT4N2.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	96.5 mm
Product Net Height	100 mm
Product Net Depth / Length	66.5 mm
Product Net Weight	0.5 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	109 mm
Package Level 1 Depth / Length	112 mm
Package Level 1 Height	79 mm
Package Level 1 Gross Weight	0.56 kg
Package Level 1 EAN	6417019391960

Technical

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Rated Operational Current AC-21A (I_e)	(380 ... 415 V) 125 A (500 V) 125 A (690 V) 125 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 125 A (500 V) 125 A (690 V) 125 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 90 A (500 V) 70 A (690 V) 50 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 22 kW (400 ... 415 V) 45 kW (500 V) 45 kW (690 V) 45 kW
Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 125 A
Conventional Thermal Current (I_{the})	Fully Enclosed 125 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 6.3 W
Pollution Degree	3
Handle Type	Handle and shaft not included
Fourth Pole Position	Right Side
Fourth Pole Type	Switched - Simultaneous Function
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
Special Functions	No
Mounting Type	Door mounting
Number of Poles	4
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	(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
Wire Stripping Length	Main Circuit 18-21 mm
Recommended Screw Driver	Main Circuit Hexagon 4
Tightening Torque	acc. IEC 60947-1 6 N·m

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)
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601418
E-Number (Norway)	4363547
E-Number (Sweden)	3171088

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

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