PRODUCT-DETAILS

OT80FT4N2

OT80FT4N2 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT80FT4N2
Product ID	1SCA105499R1001
EAN	6417019394589
Catalog Description	OT80FT4N2 SWITCH-DISCONNECTOR
Long Description	4-pole, front operated, door mounted switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle is not included

ABB EcoSolutions

Environmental Information	1SCC301263D0201
Environmental Product Declaration - EPD	1SCC301279D0201

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	1SCC301063M0006
Mechanical Drawings	OT63-80FT4N2
Environmental Product Declaration - EPD	1SCC301279D0201

Environmental

Degree of Protection	Front IP20
Environmental Information	1SCC301263D0201
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	72 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.32 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	80 mm
Package Level 1 Depth / Length	84 mm
Package Level 1 Height	88 mm
Package Level 1 Gross Weight	0.34 kg
Package Level 1 EAN	6417019394589

Technical

Rated Operational Current AC-21A (I_e)	(380 ... 415 V) 80 A (500 V) 80 A

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	(690 V) 80 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 80 A (500 V) 80 A (690 V) 80 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 75 A (500 V) 58 A (690 V) 20 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 22 kW (400 ... 415 V) 37 kW (500 V) 37 kW (690 V) 18.5 kW
Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 80 A
Conventional Thermal Current (I_{the})	Fully Enclosed 80 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) 2.1 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 1.5 kA
Rated Conditional Short-Circuit Current (I_{nc})	(100 A fuse, ≤415 V) 50 kA (100 A fuse, 500 V) 100 kA (80 A fuse, 690 V) 50 kA
Power Loss	at Rated Operating Conditions per Pole 4.5 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 / UL 508 / CSA C22.2 No. 14
Special Functions	No
Mounting Type	Door mounting
Number of Poles	4
Connecting Capacity Main Circuit	Flexible with Ferrule 1x Cu 1.5…4 mm² Solid 1x Cu 1.5…6 mm² Flexible 1x Cu 1.5…35 mm² Stranded 1x Cu 1.5…35 mm²
Cable Cross-Section	Cu 1.5 ... 35 mm²
Wire Stripping Length	Main Circuit 10-12 mm
Recommended Screw Driver	Main Circuit Pozidriv 2
Degree of Protection	Front IP20
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 2 N·m
Mechanical Durability	20000
Lock Type	No

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Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Ampere Rating	80 A
Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 10 Hp (440 ... 480 V AC) Single Phase 20 Hp (550 ... 600 V AC) Single Phase 20 Hp (220 ... 240 V AC) Three Phase 20 Hp (440 ... 480 V AC) Three Phase 40 Hp (550 ... 600 V AC) Three Phase 40 Hp
Wire Stripping Length	Main Circuit 10-12 mm
Recommended Screw Driver	Main Circuit Pozidriv 2
Tightening Torque	acc. IEC 60947-1 2 N·m
Tightening Torque UL/CSA	18 in·lb

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301167D2704
UL Certificate	cULus certificate OT16-80
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)	3601467
E-Number (Norway)	4363543
E-Number (Sweden)	3171086

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

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360°

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