



PRODUCT-DETAILS

OT40FD9N2

OT40FD9N2 SWITCH-DISCONNECTOR



General Information	
Extended Product Type	OT40FD9N2
Product ID	1SCA111265R1001
EAN	6417019445335
Catalog Description	OT40FD9N2 SWITCH-DISCONNECTOR
Long Description	Front operated switch-disconnector. Types OT 16...125 include protected terminal clamps, IP 20.

ABB EcoSolutions	
Environmental Information	1SCC301262D0201
Environmental Product Declaration - EPD	1SCC301278D0201

Material Compliance	
Conflict Minerals Reporting Template	9AKK108467A5658

(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	1SCC301055M0004
Mechanical Drawings	1SCC307715F0001 1SCC307714F0001 OT40FD9N2.stp OT40FD9N2.igs
Environmental Product Declaration - EPD	1SCC301278D0201

Environmental

Degree of Protection	Front IP20
Environmental Information	1SCC301262D0201
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country of Origin	Finland (FI)

Dimensions

Product Net Width	96 mm
Product Net Height	68 mm
Product Net Depth / Length	68 mm
Product Net Weight	0.31 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	57 mm
Package Level 1 Depth / Length	51 mm
Package Level 1 Height	69 mm
Package Level 1 Gross Weight	0.31 kg
Package Level 1 EAN	6417019445335

Technical

Cable Cross-Section	Cu 0.75 ... 10 mm ²
Conventional Free-air Thermal Current (I_{th})	$\Theta = 40\text{ °C}$ 40 A
Conventional Thermal Current (I_{the})	Fully Enclosed 40 A
Degree of Protection	Front IP20
Distance Between Phases	Standard
Fourth Pole Position	Left Side Right Side
Fourth Pole Type	Switched - Simultaneous Function
Handle Type	Knob Handle and shaft not included
Lock Type	No
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	8P
Operating Mode	Front operated
Pollution Degree	3
Power Loss	at Rated Operating Conditions per Pole 1.6 W
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Current AC-21A (I_e)	(380 ... 415 V) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 23 A (500 V) 23 A (690 V) 12 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 5.5 kW (400 ... 415 V) 11 kW (500 V) 11 kW (690 V) 11 kW
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 0.71 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 0.5 kA
Special Functions	No
Standards	IEC 60947-3 / UL 508 / CSA C22.2 No. 14
Switches Operating Mechanism	Mechanism on Top of the Switch
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 0.8 N·m

Technical UL/CSA

Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 5 Hp (440 ... 480 V AC) Single Phase 10 Hp (550 ... 600 V AC) Single Phase 15 Hp (220 ... 240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 20 Hp
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	(550 ... 600 V AC) Three Phase 25 Hp
Tightening Torque	acc. IEC 60947-1 0.8 N·m

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
Declaration of Conformity - CE	1SCC301166D2703
UL Certificate	cULus certificate OT16-80

External Classifications and Standards

Object Classification Code	Q
UNSPSC	39122233
IDEA Granular Category Code (IGCC)	5290 >> Disconnect switch
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



360°