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 PRODUCT-DETAILS

# OS40FD22000N1

## OS40FD22000N1 SWITCH FUSE




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**General Information**

Extended Product Type	OS40FD22000N1
Product ID	1SCA108938R1001
EAN	6417019421896
Catalog Description	OS40FD22000N1 SWITCH FUSE
Long Description	Switch-disconnector fuse, 40A, 4-pole, DIN 000, front operated, switched non-fusible fourth pole, handle and shaft included.

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**ABB EcoSolutions**

Environmental Product Declaration - EPD	1SCC311204D0201
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**Material Compliance**

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SCC011021D0201

RoHS Declaration	1SCC011020D0201
RoHS Information	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	1SCC311013C0201
Instructions and Manuals	1SCC311032M0203
Mechanical Drawings	OS40FD22000N1-2.stp
Environmental Product Declaration - EPD	1SCC311204D0201

## Environmental

Degree of Protection	acc. to IEC 60529 IP20
Pollution Degree	3

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country or Territory of Origin	Lithuania

## Dimensions

Product Net Width	142 mm
Product Net Height	97 mm
Product Net Depth / Length	133 mm
Product Net Weight	0.8 kg

## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	240 mm
Package Level 1 Depth / Length	120 mm
Package Level 1 Height	130 mm
Package Level 1 Gross Weight	0.8 kg
Package Level 1 EAN	6417019421896

## Technical

Cable Cross-Section	2.5 ... 25 mm <sup>2</sup>
Connecting Capacity	Stranded 0.75 ... 10 mm <sup>2</sup> Flexible 0.75 ... 10 mm <sup>2</sup>
Conventional Free-air Thermal Current (I <sub>th</sub> )	Θ = 40 °C 40 A

Conventional Thermal Current ( $I_{the}$ )	Fully Enclosed 40 A
Degree of Protection	acc. to IEC 60529 IP20
Fourth Pole Position	Left Side
Fourth Pole Type	Switched - With Solid Link
Fuse Size	NH000
Fuse System	DIN
Handle Type	Pistol handle
Mounting Type	Base mounting
Number of Poles	4P
Operating Mode	Front
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out, Bottom In - Top Out
Power Loss	at Rated Operating Conditions per Pole 3.5 W
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(500 V) 100 kA (690 V) 80 kA
Rated Current ( $I_n$ )	Main Circuit 40 A
Rated Impulse Withstand Voltage ( $U_{imp}$ )	12 kV
Rated Insulation Voltage ( $U_i$ )	1000 V
Rated Operational Current AC-21A ( $I_e$ )	(500 V) 40 A (690 V) 40 A
Rated Operational Current AC-22A ( $I_e$ )	(500 V) 40 A (690 V) 40 A
Rated Operational Current AC-23A ( $I_e$ )	(500 V) 40 A (690 V) 40 A
Rated Operational Power AC-23A ( $P_e$ )	(220 ... 240 V) 11 kW (400 V) 18.5 kW (415 V) 18.5 kW (500 V) 22 kW (690 V) 30 kW
Rated Operational Voltage	Main Circuit 690 V AC
Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ )	for 1 s 1 kiloampere rms
Recommended Screw Driver	Main Circuit Slot
Standards	IEC 60947-3
Switches Operating Mechanism	22 (Between the Poles)
Terminal Type	Screw Terminals
Tightening Torque	2 N·m
Wire Stripping Length	Main Circuit 12...14 mm Main Circuit 0.47...0.55 in

### Technical UL/CSA

Wire Stripping Length	Main Circuit 12...14 mm Main Circuit 0.47...0.55 in
Recommended Screw Driver	Main Circuit Slot
Tightening Torque	2 N·m

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## Certificates and Declarations

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ATEX Certificate	No certification needed
CCC Certificate	CCC OS200-250 2016
Declaration of Conformity - CE	1SCC311129D2702
DNV GL Certificate	1SCC311125D0203
UL Certificate	No certification needed

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## External Classifications and Standards

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Object Classification Code	Q
ETIM 9	EC001040 - Fuse switch disconnecter
ETIM 10	EC001040 - Fuse switch disconnecter
UNSPSC	39122233
IDEA Granular Category Code (IGCC)	5291 >> Fuse switch disconnecter
eClass	V11.1 : 27371401
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3661971

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## Categories

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Low Voltage Products and Systems → Switches → Switch Fuses

