PRODUCT-DETAILS

OS50GF12P

OS50GF12P SWITCH FUSE



General Information

Extended Product Type	OS50GF12P
Product ID	1SCA115553R1001
EAN	6417019478821
Catalog Description	OS50GF12P SWITCH FUSE
Long Description	Switch-disconnector fuse, 50A, 3-pole, NFC 14x51, front operated, handle and shaft included.

ABB EcoSolutions

ABB Site Meeting Group Waste To Landfill Target	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions	1SCC311048M0201
Environmental Product Declaration - EPD	1SCC311195D0201

© 2025 ABB. All rights reserved.

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
SCIP	6061b39e-0e9c-467a-aafd-a325d04ad75d Finland
Simplified SCIP	55abf71b-e02b-4456-9832-9bb0ace7fc0d Germany 2ad63c71-77bf-48c5-a8cc-6b8fbf37fc2f Italy fcbc9353-a130-4d23-a343-eaf7426697d3 Poland 88c70119-57e1-4b13-913e-c5b32d1f20b5 Germany 2a959696-377e-49bc-8b8a-66e56dda0d9c Denmark 386fb3d2-dae6-4f02-ad7d-36eaf60d80e7 Spain 45aa8485-a00c-497e-a591-f5e985a515dc Belgium 8eef2240-676f-4226-b9de-79072bec847f Sweden 3f639da4-e971-4b32-80ab-e319113912f6 Greece 765c8408-f98e-424b-9b56-a0677c9a9105 Poland db7faa5a-aed1-42df-b0c2-700e1e8cae6d France a112754f-19cb-4686-8bdf-49bf4186bed9 Sweden da59aa11-92af-4176-8ffb-c948b7b1c551 Bulgaria ae2f1703-f59b-43f6-a1fc-da170c1a9174 Estonia 884ed42a-4d26-4928-8de0-c86d902a0a65 Hungary fc17f1ad-919b-4d70-a79e-8a13ff11a3ae Netherlands 4a3fbcbc-8dfd-449c-b1ce-7d17c2a3e468 Czech Republic 15252903-d022-48e8-9610-995227006d14 Croatia 7e2a63e5-6389-4b44-be14-5e73445e12a5 Portugal 5e0830a5-89b4-461c-956a-9402ae6ae13d Poland 4bd569f3-34be-42e3-9319-49f99da2a667 Germany ad9d2b88-1115-4e6d-ae52-da0a0d6c3f48 Germany 4a2d268c-887f-49d9-a5f4-0f5be5fa3e1d Germany 8db4ea5b-0656-4dad-8f31-d8e16363c545 Belgium 866c9b88-5b71-4134-b35e-41535d8b4708 Norway cefd9e31-2b0e-4ea3-9aa1-c3fb813df824 Hungary 1b494c57-7796-4272-bab5-a8b52d23eb01 France
Toxic Substances Control Act - TSCA	1SCC011025D0201

Popular Downloads

Data Sheet, Technical Information	1SCC311013C0201
Instructions and Manuals	1SCC311036M0212
Mechanical Drawings	OS63GB_F_12.igs
Environmental Product Declaration - EPD	1SCC311195D0201

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	Finland

© 2025 ABB. All rights reserved.

Dimensions

Product Net Width	136 mm
Product Net Height	125 mm
Product Net Depth / Length	109 mm
Product Net Weight	1.2 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	170 mm 6.7 in
Package Level 1 Depth / Length	190 mm 7.5 in
Package Level 1 Height	145 mm 5.7 in
Package Level 1 Gross Weight	1.6 kg 3.5 lb
Package Level 1 EAN	6417019478821

Technical

Cable Cross-Section	2.5 ... 25 mm²
Connecting Capacity	Stranded 2.5 … 25 mm² Flexible 2.5 … 25 mm²
Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 50 A
Conventional Thermal Current (I_{the})	Fully Enclosed 50 A
Degree of Protection	acc. to IEC 60529 IP20
Fuse Size	14x51
Fuse System	NFC
Handle Type	Pistol handle
Mounting Type	Base mounting
Number of Poles	3P
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 2.5 W
Rated Conditional Short-Circuit Current (I_{nc})	(500 V) 100 kA (690 V) 80 kA
Rated Current (I_n)	Main Circuit 50 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) 50 A (690 V) 50 A
Rated Operational Current AC-22A (I_e)	(500 V) 50 A (690 V) 50 A
Rated Operational Current AC-23A (I_e)	(500 V) 50 A (690 V) 50 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 11 kW (400 V) 22 kW

© 2025 ABB. All rights reserved.

	(415 V) 22 kW (500 V) 30 kW (690 V) 37 kW
Rated Operational Voltage	Main Circuit 690 V AC
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 2.5 kiloampere rms
Recommended Screw Driver	Main Circuit Hexagon 4
Standards	IEC 60947-3
Switches Operating Mechanism	12 (Between the Poles)
Terminal Type	Screw Terminals
Tightening Torque	3 N·m 4 N·m
Wire Stripping Length	Main Circuit 12 mm Main Circuit 0.47 in

Technical UL/CSA

Wire Stripping Length	Main Circuit 12 mm Main Circuit 0.47 in
Recommended Screw Driver	Main Circuit Hexagon 4
Tightening Torque	3 N·m 4 N·m

Certificates and Declarations

A2L Certificate – IEC	1SCC311208D0201
ATEX Certificate	No certification needed
CCC Certificate	CCC OS32-63G_ 2016.pdf
Declaration of Conformity - CE	1SCC311136D2703
DNV GL Certificate	1SCC311125D0203
UL Certificate	No certification needed

External Classifications and Standards

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

© 2025 ABB. All rights reserved.

Categories

Low Voltage Products and Systems → Switches → Switch Fuses



© 2025 ABB. All rights reserved.