



PRODUCT-DETAILS

OS100GJ04F

OS100GJ04F FUSIBLE DISCONNECT SWITCH



General Information	
Extended Product Type	OS100GJ04F
Product ID	1SCA115438R1001
EAN	6417019477886
Catalog Description	OS100GJ04F FUSIBLE DISCONNECT SWITCH
Long Description	Switch Fuses,Front operated,4-pole,04 (Left Side),Class J,100 A,Handle and shaft not included,Switched - Fusible Pole

ABB EcoSolutions	
ABB Site Meeting Group Waste To Landfill Target	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions	1SCC311047M0201
Environmental Product Declaration - EPD	1SCC311196D0201

Material Compliance		
Conflict Minerals Reporting Template (CMRT)		9AKK108467A5658
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		1SCC311013C0201
Instructions and Manuals		1SCC311037M0206
Mechanical Drawings		OS100GJ04.igs
Environmental Product Declaration - EPD		1SCC311196D0201

Environmental		
Pollution Degree		3

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

Dimensions		
Product Net Width		181.5 mm
Product Net Height		220 mm
Product Net Depth / Length		104.5 mm
Product Net Weight		2.39 kg

Container Information		
Package Level 1 Units		box 1 piece
Package Level 1 Width		220 mm
Package Level 1 Depth / Length		155 mm
Package Level 1 Height		260 mm
Package Level 1 Gross Weight		2.75 kg
Package Level 1 EAN		6417019477886

Technical		
Conventional Free-air		Θ = 40 °C 160 A

Thermal Current (I_{th})	
Conventional Thermal Current (I_{the})	Fully Enclosed 160 A
Fourth Pole Type	Switched - Fusible Pole
Fuse Size	100 A
Fuse System	Class J
Handle Type	Handle and shaft not included
Mounting Type	Base mounting
Number of Poles	4P
Operating Mode	Front Operated
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out, Bottom In - Top Out
Power Loss	at Rated Operating Conditions per Pole 9 W
Rated Conditional Short-Circuit Current (I_{nc})	(690 V) 80 kA
Rated Current (I_n)	Main Circuit 100 A
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Insulation Voltage (U_i)	1000 V
Rated Operational Current AC-21A (I_e)	(500 V) 100 A (690 V) 100 A
Rated Operational Current AC-22A (I_e)	(500 V) 100 A (690 V) 100 A
Rated Operational Current AC-23A (I_e)	(500 V) 100 A (690 V) 100 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 45 kW (400 V) 75 kW (415 V) 75 kW (500 V) 90 kW (690 V) 132 kW
Rated Operational Voltage	Main Circuit 600 V AC
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 5 kiloampere rms
Standards	UL98 IEC 60947-3
Switches Operating Mechanism	04 (Left Side)
Terminal Type	Lug terminals
Terminal Width	20 mm
Tightening Torque	15 ... 22 N·m

Technical UL/CSA

Maximum Operating Voltage UL/CSA	Main Circuit 600 V AC Main Circuit 250 V DC
Ampere Rating	100 A
Horsepower Rating UL/CSA	(acc. to UL 240 V) 30 Hp (acc. to UL 480 V) 60 Hp (acc. to UL 600 V) 75 Hp
Tightening Torque	15 ... 22 N·m
Tightening Torque UL/CSA	Wire-Clamp 120 in·lb Cable Lug 50 in·lb

Certificates and Declarations

A2L Certificate – IEC	1SCC311209D0201
ATEX Certificate	No certification needed
CCC Certificate	CCC OS100-160G_ 2015.pdf
Declaration of Conformity - CE	1SCC311137D2703
DNV GL Certificate	1SCC311125D0203
UL Certificate	cULus certificate OS100GJ_

External Classifications and Standards

Object Classification Code	Q
ETIM 8	EC001040 - Fuse switch disconnecter
ETIM 9	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)

Categories

Low Voltage Products and Systems → Switches → Switch Fuses

