PRODUCT-DETAILS

OT160G40P

OT160G40P SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT160G40P
Product ID	1SCA138216R1001
EAN	6417019666266
Catalog Description	OT160G40P SWITCH-DISCONNECTOR
Long Description	4-pole, front operated, base mounted switch-diconnector with protected clamp terminals and with black IP65 handle and shaft

ABB EcoSolutions

End Of Life Disassembling Instructions	1SCC301116M0201
Environmental Information	1SCC301267D0201
Environmental Product Declaration - EPD	1SCC301281D0201

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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
SCIP	c890c227-81b2-40ec-80d2-362218f43732 Finland
Simplified SCIP	fac4d358-5529-426f-859c-6c08984b3f3d Germany 7682f2a0-92fc-40ed-8ca6-bbfa4d8f7d9f Belgium 916ab46f-d52a-4808-95ed-fcf59f04c982 Denmark 46c6cbcb-0a2c-4ce4-ac98-e9f672910a54 Germany 6d5332ce-f572-4888-b1c8-d36e864ac927 Norway 6b2fe77b-ef6e-44c4-a0b5-88c8bee28e41 Hungary c8d86131-9494-4d55-a6a6-d8940132bcca Spain 7fe25e41-d115-43b7-a6f5-e35283fc65cc Belgium 93bb7635-f77f-4741-97da-a11e8a2a683d Italy 6b7b1827-bde9-4ac4-9507-a9c2cfc450d4 Poland 8bfb29aa-665b-431a-af9f-17a136aca14d Germany c263be22-e22a-45f8-b2b0-f6ee33819e6f Sweden 57fcec66-75c6-4204-83bc-8c7ac206f0df France d0ef0e52-119d-4bfc-b01e-40265366d810 Poland f788227d-1931-4d6a-b2aa-93eac26de669 Greece 3b1ee79e-79a4-4e77-be20-a1f68e57060d Sweden a9bae258-34c0-49c3-85b2-62feddd04512 Bulgaria 80a3795e-11f8-49b5-b448-93a032935838 Estonia 9e0ddcab-4649-43df-bb84-0be14ce7f346 Hungary afeda17e-5da0-4cb8-abe7-fc2936a2746c Netherlands 11463468-e977-433f-9fcf-4ad467948ce3 Portugal d65ef1d1-8dbb-4a22-b39d-3b44ad835246 Czech Republic e9b1d7ad-e632-42a0-8a4c-52d50bde12ce Croatia 9041e03c-6fdd-41fb-a9e5-18eccc2af76d Poland 6a3cf3fe-7a62-4938-9a21-2ebe6a04deee Germany 77d3663c-d138-4897-8d2f-e393af7e9eb8 Germany 9ba4ed4e-e139-4973-a732-d7574836d2b8 France
Toxic Substances Control Act - TSCA	1SCC011025D0201

Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301089M0204
Mechanical Drawings	OT160G4_model.igs
Environmental Product Declaration - EPD	1SCC301281D0201

Environmental

Degree of Protection	Front IP20
Environmental Information	1SCC301267D0201
Pollution Degree	3

Ordering

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

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Origin

Dimensions

Product Net Width	150 mm
Product Net Height	130 mm
Product Net Depth / Length	73 mm
Product Net Weight	1.2 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	160 mm
Package Level 1 Depth / Length	244 mm
Package Level 1 Height	96 mm
Package Level 1 Gross Weight	1.3 kg
Package Level 1 EAN	6417019666266

Technical

Cable Cross-Section	Cu 10 ... 70 mm²
Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 160 A
Conventional Thermal Current (I_{the})	Fully Enclosed 160 A
Degree of Protection	Front IP20
Distance Between Phases	Standard
Fourth Pole Position	Right Side
Fourth Pole Type	Switched - Simultaneous Function
Handle Color	Black
Handle Type	Handle and shaft included
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	4P
Operating Mode	Front and Side
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Power Loss	at Rated Operating Conditions per Pole 6.5 W
Rated Conditional Short-Circuit Current (I_{nc})	(200 A fuse, 500 V) 100 kA (200 A fuse, 690 V) 50 kA
Rated Impulse Withstand Voltage (U_{imp})	12 kV
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 1000 V
Rated Operational Current AC-21A (I_e)	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A

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Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 160 A (500 V) 160 A (690 V) 160 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 45 kW (400 ... 415 V) 75 kW (500 V) 90 kW (690 V) 132 kW
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 12 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 4 kA
Special Functions	No
Standards	IEC 60947-3 / UL 98 / CSA C22.2 NO.4
Switches Operating Mechanism	Mechanism at the End of the Switch 40 (Right Side)
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 6 N·m

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Ampere Rating	125 A
Horsepower Rating UL/CSA	(240 V AC) Single Phase 20 Hp (440 ... 480 V AC) Single Phase 30 Hp
Tightening Torque	acc. IEC 60947-1 6 N·m
Tightening Torque UL/CSA	53 in·lb

Certificates and Declarations

A2L Certificate – IEC	1SCC301336D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301210D2701
DNV GL Certificate	1SCC301174D0204
UL Certificate	cULus certificate OT160G
VDE Certificate	No certification needed

External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnector (low voltage)
ETIM 10	EC000216 - Switch disconnector (AC)
UNSPSC	39122233
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

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Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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