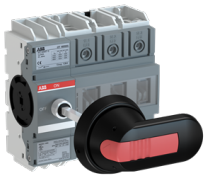
PRODUCT-DETAILS

OT160G03P

OT160G03P SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT160G03P
Product ID	1SCA135139R1001
EAN	6417019638706
Catalog Description	OT160G03P SWITCH-DISCONNECTOR
Long Description	3-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	6f064110-8ade-4356-9916-63b327acc3b7 Finland
Simplified SCIP	9695ceac-9a5e-47a3-9d10-913be99f61f2 Germany 8765d64a-1254-4740-b28b-ffd01ce6515e Sweden 3681be30-0ecc-4559-922c-3b97a79d0da4 Poland b55c5251-02d9-435f-90e2-96ddfb56b519 Poland 092dd1c4-c806-46a2-bd5d-4041c5776f1e France e4ad0e9c-310a-4370-b58a-e9061e6a7bc7 Estonia 12544bfd-5174-4e17-a112-be5ff151b3e8 Bulgaria b2d74db4-ac58-4226-97f5-54e578e3be08 Greece d6258643-2026-405c-a2d4-f58707d1ac46 Croatia f6ed35dc-cfbc-4783-a265-c5cf8d8cd88b Portugal 0d3525da-aa66-47e6-9cd9-cc463adeb861 Sweden 32dc2de6-cd6e-400c-88f3-7907ffe5f316 Hungary 00a80986-0c31-4117-879b-c97b5019ae7b Czech Republic 5ba42181-654d-465d-ad59-eef68bc47e09 Netherlands 1bde6823-5682-419b-a3ff-cd201dea689d Germany 798c0614-8d5c-4122-82af-01d963ea7f64 Germany ce70bfa1-b9e0-4ae5-9535-37b4eaf61b49 Belgium 825bde5b-85ec-4c5d-8cf5-5abe0b98f0fa Norway 7d786ffd-c696-4ea2-9940-de8c6b33c784 Germany df72ae17-3e35-4c10-8169-240c0fae359d Poland e6f961a8-7c4e-4a38-91d9-7da31e97aeab Denmark 17fa4b90-0c59-4330-8af1-2fecb845eab4 Germany ad47b5c2-dead-418f-97d2-d1004114861f Italy 7a3eb990-9440-4f07-a1ff-711db106a55c Spain b8605eb2-93cc-4a46-8a90-f39401d925eb Belgium 6be34c1d-5dd5-49ea-8e37-e833145c84af France e328478e-18e3-4cda-b415-18eaef621254 Hungary
Toxic Substances Control Act - TSCA	1SCC011025D0201

Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301089M0204
Mechanical Drawings	OT160G3_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	123 mm
Product Net Height	130 mm
Product Net Depth / Length	73 mm
Product Net Weight	0.9 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	160 mm 6.3 in
Package Level 1 Depth / Length	244 mm 9.6 in
Package Level 1 Height	96 mm 3.8 in
Package Level 1 Gross Weight	1 kg 2.3 lb
Package Level 1 EAN	6417019638706

Technical

Cable Cross-Section	Cu 10 ... 70 mm^2
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
Handle Color	Black
Handle Type	Handle and shaft included
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	3P
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
Rated Operational	(380 ... 415 V) 160 A

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Current AC-23A (I_e)	(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 03 (Left 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

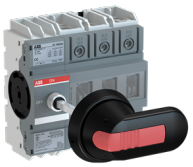
External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnector (low voltage)
ETIM 10	EC000216 - Switch disconnector (AC)
UNSPSC	39122233
IDEA Granular Category Code (IGCC)	5290 >> Disconnect switch
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3638769
E-Number (Norway)	4372122
E-Number (Sweden)	3171058

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Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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