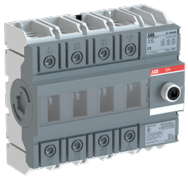
PRODUCT-DETAILS

OT160G40

OT160G40 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT160G40
Product ID	1SCA138213R1001
EAN	6417019666235
Catalog Description	OT160G40 SWITCH-DISCONNECTOR
Long Description	4-pole, front operated, base mounted switch-diconnector with protected clamp terminals, handle and shaft are not included

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
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 Origin	Finland

Dimensions

Product Net Width	150 mm
Product Net Height	130 mm
Product Net Depth / Length	73 mm
Product Net Weight	1 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	1.1 kg
Package Level 1 EAN	6417019666235

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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 Type	Handle and shaft not 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
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

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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)

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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