PRODUCT-DETAILS

OT160EV12WP

OT160EV12WP SWITCH-DISCONNECTOR

General Information

Extended Product Type	OT160EV12WP
Product ID	1SCA120606R1001
EAN	6417019519913
Catalog Description	OT160EV12WP SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted switch-diconnector with black IP65 handle and shaft, wide phase distance, terminal bolt kit included

ABB EcoSolutions

End Of Life Disassembling Instructions	1SCC301117M0201
Environmental Information	1SCC301265D0201
Environmental Product Declaration - EPD	1SCC301282D0201

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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	ccc12ef2-c94a-4e7c-b4ad-aba52af6fa8d Finland
Simplified SCIP	09cd6325-4d12-43e0-bef5-bb2730095dda Germany 9a56a25f-0b0b-4bf6-865f-de1785731562 Belgium 09e6f58d-e007-472a-8810-a5cab78f8a50 Poland 4260967a-ed6a-4a5b-9fb3-54259f408cf4 Spain 5586711d-da7f-4cfe-8f7c-0178266b1759 Poland 7928ccec-1154-421e-929d-edd7834cbf9b Czech Republic 6110fd11-ad04-4fd0-92e4-06ee3e1acf8a Poland d7860ab8-dc47-4496-a9cf-4f44f8731f8f Bulgaria 4645df35-4c26-443b-8d56-ddd0dd2d826d Sweden 26c2ac68-2344-4bec-a280-ab7a59784d35 Belgium 5ded55ae-e1de-4c71-9e33-2e3af5308476 Germany a2b45d5a-ba23-45d0-b043-2182c0764e5f France 43743098-c69b-464c-9eba-30166bd16b6b Hungary f697cc0e-30f8-4f6c-b8ad-0b3eb515096f Germany 4f919ede-b93b-444c-8027-bfec8c4af94d Denmark a59471da-674f-42eb-bbaa-5530197aa583 France 1dec3030-9270-406e-821d-71801d81c6dd Italy b1f2a50a-813b-4338-b9c0-c4a1e937f3d6 Hungary a404a15e-6051-4253-adbe-53892209b120 Netherlands 5c276920-3c4a-4898-897f-8e0ab2cbfdab Estonia 3b396331-9010-448c-8cf2-3e04bf905cc5 Norway 17a09e27-a456-44be-b828-9503137e21c4 Sweden e7f8283d-c7e0-493e-a3b5-41e7dda0e5c8 Germany 07c14fc0-dbf4-42fe-b51a-ba01ff888c6c Croatia 60319bb7-9a22-4d14-9f00-03ae8cd2772c Greece 908e5f28-6e86-49cf-a1dd-373d6ba9bf46 Portugal bcff1913-2b82-4353-a3e1-07f06627ad89 Germany
Toxic Substances Control Act - TSCA	1SCC011025D0201

Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301031M0220
Mechanical Drawings	1SCC301294F0001 1SCC301293F0001
Environmental Product Declaration - EPD	1SCC301282D0201

Environmental

Degree of Protection	Front IP00
Environmental Information	1SCC301265D0201
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080

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Subject to change without notice

Country or Territory of Origin	Finland

Dimensions

Product Net Width	174.5 mm
Product Net Height	170 mm
Product Net Depth / Length	82.5 mm
Product Net Weight	1.4 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	190 mm 7.5 in
Package Level 1 Depth / Length	290 mm 11.4 in
Package Level 1 Height	110 mm 4.3 in
Package Level 1 Gross Weight	1.6 kg 3.5 lb
Package Level 1 EAN	6417019519913

Technical

Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 200 A
Conventional Thermal Current (I_{the})	Fully Enclosed 160 A
Degree of Protection	Front IP00
Distance Between Phases	Wide phase distance
Handle Color	Black
Handle Type	Handle and shaft included
Mechanical Durability	20000
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 3.2 W
Rated Conditional Short-Circuit Current (I_{nc})	(315 A fuse, 500 V) 100 kA (355 A fuse, 690 V) 80 kA (250 A fuse, 690 V) 100 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) 200 A (500 V) 200 A (690 V) 200 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 200 A (500 V) 200 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) 48 kW (400 ... 415 V) 88 kW (500 V) 112 kW (690 V) 144 kW
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 30 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 8 kA
Special Functions	Wide phase distance
Standards	IEC 60947-3
Switches Operating Mechanism	Mechanism Between the Poles 12 (Between the Poles)
Terminal Type	Lug terminals
Tightening Torque	acc. IEC 60947-1 15 … 22 N·m

Technical UL/CSA

Tightening Torque	acc. IEC 60947-1 15 … 22 N·m

Certificates and Declarations

A2L Certificate – IEC	1SCC301337D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301131D2705
DNV GL Certificate	1SCC301174D0204
UL Certificate	No certification needed
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	39122221
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601370

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Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

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