



PRODUCT-DETAILS

OTDC160E11

OTDC160E11 DC Switch-disconnector



General Information	
Extended Product Type	OTDC160E11
Product ID	1SCA123745R1001
EAN	6417019544946
Catalog Description	OTDC160E11 DC Switch-disconnector
Long Description	OTDC160E11 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately. Base mounting, IEC 1000 VDC 160 A

Circular Value	
ABB EcoSolutions	Yes
Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 66,5 %
Recyclability Rate	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
End of Life Instructions	1SCC301114M0201
Environmental Information	NA
Environmental Product Declaration - EPD	1SCC301248D0201
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

Improved Resource Efficiency for Customers	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line
REACH Declaration	1SCC301240D0201
RoHS Information	1SCC301239D0201
Toxic Substances Control Act - TSCA	1SCC301321D0201

Eco Transparency

Environmental Product Declaration - EPD	1SCC301248D0201
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Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363090
Country of Origin	Finland (FI)

Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301081M0206
Mechanical Drawings	OTDC100_250E11.igs 1SCC307007F0002 1SCC307008F0002
Environmental Product Declaration - EPD	1SCC301248D0201
End of Life Instructions	1SCC301114M0201

Dimensions

Product Frame Size	S1.0
Product Net Width	115.5 mm 4.5 in
Product Net Height	176 mm 6.9 in
Product Net Depth / Length	83.5 mm 3.3 in
Product Net Weight	1.2 kg 2.7 lb

Technical

Connection Configuration	Single circuit 2a, 2b
Rated Operational Current DC-21B (I_g)	(1000 V) 160 A
Conventional Free-air Thermal Current (I_{th})	$\Theta = 40\text{ }^{\circ}\text{C}$ 160 A
Conventional Thermal Current (I_{the})	Fully Enclosed 160 A
Rated Impulse Withstand Voltage (U_{imp})	12 kV
Rated Insulation Voltage (U_i)	1500 V
Rated Operational Voltage	1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(1000 V DC) 10 kA

Rated Short-time Withstand Current Low Voltage (I_{cw})	(1000 V DC) 10 kA for 1 s 5 kA for 0.1 s 10 kA
Power Loss	at Rated Operating Conditions per Pole 4 W
Pollution Degree	3
Handle Type	Handle and shaft not included
Positive Opening Operation Torque (Direct Opening Action)	5 ... 8 N·m
Shaft Diameter	6 mm 0.24 in
Switches Operating Mechanism	Mechanism Between the Poles 11 (Between the Poles)
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Operating Mode	Front Operated
Standards	IEC 60947-1, -3
Special Functions	No
Mounting Type	Base mounting
Number of Circuits	1
Number of Poles	2
Degree of Protection	Front IP20
Terminal Type	Lug terminals
Terminal Width	19.5 mm 0.77 in
Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B)

Environmental

RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Environmental Information	NA
Toxic Substances Control Act - TSCA	1SCC301321D0201

Certificates and Declarations

CCC Certificate	CQC2013010302611671
Declaration of Conformity - CE	1SCC301201D2703
Declaration of Conformity - UKCA	1SCC301313D0201
DNV GL Certificate	1SCC301231D0201
REACH Declaration	1SCC301240D0201

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	96 mm 3.8 in
Package Level 1 Depth / Length	160 mm 6.3 in
Package Level 1 Height	244 mm 9.6 in
Package Level 1 Gross Weight	1.4 kg 3 lb
Package Level 1 EAN	6417019544946

Classifications

Object Classification Code	Q
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
ETIM 9	EC000216 - Switch disconnecter (low voltage)
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Low Voltage Products and Systems → Switches → DC Switch-Disconnectors

