



 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
Display Name:	OTDC160E11

ABB EcoSolutions

ABB EcoSolutions:	Yes
ABB Site Meeting Group Waste To Landfill Target:	UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions:	1SCC301114M0201
Environmental Information:	NA
Environmental Product Declaration - EPD:	1SCC301248D0201
Improved Energy Efficiency for Customers:	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line

Recyclability Rate of the Product acc. to EN45555: Design for Closing Resource Loops - Standard EN45555 - 66,5 %

Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
REACH Declaration:	1SCC301240D0201
RoHS Declaration:	1SCC301239D0201
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA:	1SCC301321D0201

Popular Downloads

Data Sheet, Technical Information:	1SCC301022C0201
Instructions and Manuals:	1SCC301081M0206
Mechanical Drawings:	OTDC100_250E11.igs 1SCC307007F0002 1SCC307008F0002

Environmental

Degree of Protection:	Front IP20
Pollution Degree:	3

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85363090
Country or Territory of Origin:	Finland

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

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

Technical

Connection Configuration:	Single circuit 2a, 2b
Conventional Free-air Thermal Current ($I_{th} \Theta = 40 \text{ }^\circ\text{C}$ 160 A):	
Conventional Thermal Current (I_{the}):	Fully Enclosed 160 A
Mounting Type:	Base mounting
Number of Circuits:	1
Number of Poles:	2P
Operating Mode:	Front
Position of Line Terminals:	Top In - Bottom Out Bottom In - Top Out
Positive Opening Operation Torque (Direct Opening Action):	5 ... 8 N·m
Power Loss:	at Rated Operating Conditions per Pole 4 W
Rated Impulse Withstand Voltage (U_{imp}):	12 kV
Rated Insulation Voltage (U_i):	1500 V
Rated Operational Current DC-21B (I_e):	(1000 V) 160 A
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
Shaft Diameter:	6 mm 0.24 in
Special Functions:	No
Standards:	IEC 60947-1, -3
Switches Operating Mechanism:	Mechanism Between the Poles 11 (Between the Poles)
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)

Certificates and Declarations

CCC Certificate: CQC2013010302611671

Declaration of Conformity - CE: 1SCC301201D2703

Declaration of Conformity - UKCA: 1SCC301313D0201

DNV GL Certificate: 1SCC301231D0201

External Classifications and Standards

Object Classification Code: Q

ETIM 9: EC000216 - Switch disconnecter (low voltage)

ETIM 10: EC004963 - Switch disconnecter (DC)

UNSPSC: 39122233

eClass: V11.1 : 27371403

WEEE Category: 5. Small Equipment (No External Dimension More Than 50 cm)

Categories

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




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