

1SCC301022C0201

1SCC301081M0206

OTDC100_245US20.igs 1SCC307103F0201

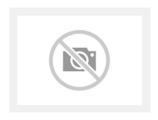
PRODUCT-DETAILS

Data Sheet, Technical

Instructions and Manuals
Mechanical Drawings

Information

OTDC245US20 OTDC245US20 PV Disconnect Switch



Extended Product Type	OTDC245US20
Product ID	1SCA149110R1001
EAN	6417019787121
Catalog Description	OTDC245US20 PV Disconnect Switch
	OTDOORSHOOD DVD:
Long Description	OTDC245US20 PV Disconnect Switch, Handle and shaft not included, Base mounting, IEC&UL 250 A 1000V
Long Description Ordering	
	IEC&UL 250 A 1000v
Ordering	IEC&UL 250 A 1000v
Ordering Minimum Order Quantity	

Lug terminals

Terminal Type

	1SCC307104F0201
Wiring Diagram	1SCC301024K0201
Dimensions	
Product Frame Size	S
Product Net Width	110 mm
Dradinat Nat Unicht	4.3 in
Product Net Height	190 mm 7.5 in
Product Net Depth / Length	85 mm 3.3 in
Product Net Weight	1.4 kg 3 lb
Technical	
Connection Configuration	Single circuit 1a
Rated Operational Current DC-21B (I _e)	(1000 V) 250 A
Conventional Free-air Thermal Current (I _{th})	250 A
Conventional Thermal Current (I _{the})	Fully Enclosed 250 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 (I _{cw})	(1000 V DC) 10 kA for 1 s 5 kA for 0.1 s 10 kA
Protection Type	Circuit breaker
Power Loss	at Rated Operating Conditions per Pole 9.5 W
Pollution Degree	3
Handle Type	Handle and shaft not included
Shaft Diameter	6 mm 0.24 in
Switches Operating Mechanism	Mechanism at the End of the Switch 20 (Right Side)
Position of Line Terminals	Bottom In - Bottom Out
Operating Mode	Front Operated
Standards	UL98B and IEC 60947-1, -3
Special Functions	US single-wire break
Mounting Type	Base mounting
Number of Circuits	1
Number of Poles	2
Degree of Protection	Front IP20

Terminal Width	19.5 mm 0.77 in
Tightening Torque	Cable Lug 1522 N·m
Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B)

Fechnical UL/CSA	
Maximum Operating Voltage UL/CSA	1000 V DC
Ampere Rating UL/CSA	1000VDC 250 A
Tightening Torque UL/CSA	Cable Lug 1012 N·m Cable Lug 133195 lbf·ir

Environmental

RoHS Status Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)		
CCC Certificate	CQC2013010302611671	
Declaration of Conformity - CE	1SCC301201D2703	
DNV GL Certificate	1SCC301231D0201	
Instructions and Manuals	1SCC301081M0206	
RoHS Information	1SCC301201D2703	

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	96 mm 3.8 in
Peakage Lovel 4 Dooth /	3.8 III
Package Level 1 Depth / Length	6.3 in
Package Level 1 Height	244 mm
	9.6 in
Package Level 1 Gross	1.5 kg
Weight	3.2 lb
Package Level 1 EAN	6417019787121

Classifications	
Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
UNSPSC	39122233
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

OTDC245US20 4

Categories

Low Voltage Products and Systems \rightarrow Switches \rightarrow DC Switch-Disconnectors

