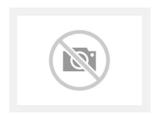


PRODUCT-DETAILS

OTDC100U02 OTDC100U02 PV Disconnect Switch



Extended Product Type	OTDC100U02
Product ID	1SCA126184R1001
EAN	6417019561646
Catalog Description	OTDC100U02 PV Disconnect Switch
Long Description	OTDC100U02 PV Disconnect Switch, Terminal bolt kit included, Handle and shaft need to
	be ordered separately, base mounting, OL 1000 VDC 100 A, IEC 1000 VDC 160 A
Ordering	be ordered separately, base mounting, UL 1000 VDC 100 A, IEC 1000 VDC 160 A
	be ordered separately, Base mounting, UL 1000 VDC 100 A, IEC 1000 VDC 160 A
Ordering Minimum Order Quantity	
Ordering	1 piece

Popular Downloads	
Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301081M0206
Mechanical Drawings	OTDC100_245U02.igs 1SCC307579F0201

0.77 in

Dimensions	
Product Frame Size	S
Product Net Width	113 mm
Product Net Height	176 mm
Product Net Depth / Length	85 mm
Product Net Weight	1.3 kg 2.8 lb
Technical	
Connection Configuration	Single circuit 2a, 2b
Rated Operational Current DC-21B (I _e)	(1000 V) 160 A
Conventional Free-air Thermal Current (I _{th})	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 (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 4 W
Pollution Degree	Usually and shaff and included
Handle Type	Handle and shaft not included
Shaft Diameter	6 mm 0.24 in
Switches Operating Mechanism	Mechanism at the End of the Switch 02 (Left Side)
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Operating Mode	Front Operated
Standards	UL98B and 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

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

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	1000 V DC
Ampere Rating UL/CSA	1000VDC 100 A
Tightening Torque UL/CSA	Cable Lug 10…12 N·m Cable Lug 133…195 lbf·in

Environmental	
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	NA

CCC Certificate	CQC2013010302611671
CSA Certificate	CSA Letter_of_Attestation OTDC100-200.pdf
Declaration of Conformity - CE	1SCC301201D2703
DNV GL Certificate	1SCC301231D0201
Environmental Information	NA
Instructions and Manuals	1SCC301081M0206
RoHS Information	1SCC301201D2703
UL Certificate	UL certificate OTDC100-200.pdf

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	210 mm
-	8.3 in
Package Level 1 Depth /	210 mm
Length	8.3 in
Package Level 1 Height	150 mm
	5.9 in
Package Level 1 Gross	1.4 kg
Weight	3.2 lb
Package Level 1 EAN	6417019561646

Classifications	
Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector

OTDC100U02 4

UNSPSC 39122233

WEEE Category

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

Categories

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

