

PRODUCT-DETAILS

OTDC100US22

OTDC100US22 PV Disconnect Switch



General Information

Extended Product Type	OTDC100US22
Product ID	1SCA126181R1001
EAN	6417019561615
Catalog Description	OTDC100US22 PV Disconnect Switch
Long Description	OTDC100US22 PV Disconnect Switch, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, US single-wire break, UL 1000 VDC 100 A, IEC 1000 VDC 160 A

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030

Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301081M0206
Mechanical Drawings	OTDC100_200US22.igs 1SCC307107F0201 1SCC307108F0201

Dimensions

Product Frame Size	S
Product Net Width	240 mm 9.4 in
Product Net Height	176 mm 6.9 in
Product Net Depth / Length	84 mm 3.3 in
Product Net Weight	2.4 kg 5.3 lb

Technical

Connection Configuration	Double circuit 3
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	3
Handle Type	Handle and shaft not included
Shaft Diameter	6 mm 0.24 in
Switches Operating Mechanism	Mechanism Between the Poles 22 (Between the Poles)
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	2
Number of Poles	4
Degree of Protection	Front IP20
Terminal Type	Lug terminals
Terminal Width	19.5 mm

0.77 in

Tightening Torque

Cable Lug 15...22 N·m

Technical UL/CSA

Maximum Operating
Voltage UL/CSA

1000 V DC

Ampere Rating UL/CSA

1000VDC 100 A

Tightening Torque
UL/CSACable Lug 10...12 N·m
Cable Lug 133...195 lbf·in

Environmental

RoHS Status

Following EU Directive 2011/65/EU

Environmental Information

NA

Certificates and Declarations (Document Number)

CCC Certificate

CCC OTDC100-250.pdf

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

1SCC301206D0205

UL Certificate

UL certificate OTDC100-200.pdf

Container Information

Package Level 1 Units

box 1 piece

Package Level 1 Width

220 mm
8.7 inPackage Level 1 Depth /
Length260 mm
10.2 in

Package Level 1 Height

155 mm
6.1 inPackage Level 1 Gross
Weight2.8 kg
6.2 lb

Package Level 1 EAN

6417019561615

Classifications

Object Classification Code

Q

ETIM 5

EC000216 - Switch disconnecter

ETIM 6

EC000216 - Switch disconnecter

ETIM 7

EC000216 - Switch disconnecter

UNSPSC

39122233

WEEE Category

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

Categories

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

