

PRODUCT-DETAILS

# OTDC245US20K

## OTDC245US20K PV Disconnect Switch



### General Information

Extended Product Type	OTDC245US20K
Product ID	1SCA149111R1001
EAN	6417019787138
Catalog Description	OTDC245US20K PV Disconnect Switch
Long Description	OTDC245US20K PV Disconnect Switch, Direct mounted handle, Base mounting, IEC&UL 250 A 1000V

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363090
Last Ordering Date	2021-11-30 All Countries
Country of Origin	Finland (FI)

### Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301081M0206
Wiring Diagram	1SCC301024K0201

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**Dimensions**


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Product Frame Size	S
Product Net Width	110 mm 4.3 in
Product Net Height	190 mm 7.5 in
Product Net Depth / Length	110 mm 4.3 in
Product Net Weight	1.5 kg 3.2 lb

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**Technical**


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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 Color	Black
Handle Length	65 mm 2.6 in
Handle Type	Direct mounted handle
Shaft Diameter	6 mm 0.24 in
Shaft Length	105 mm 4.1 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 Type	Lug terminals
Terminal Width	19.5 mm 0.77 in
Tightening Torque	Cable Lug 15..22 N·m
Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B)

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## Technical UL/CSA

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Maximum Operating Voltage UL/CSA	1000 V DC
Ampere Rating UL/CSA	1000VDC 250 A
Tightening Torque UL/CSA	Cable Lug 10...12 N·m Cable Lug 133...195 lbf·in

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## Environmental

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RoHS Status	Following EU Directive 2011/65/EU
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## Certificates and Declarations (Document Number)

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CCC Certificate	CQC2013010302611671
Declaration of Conformity - CE	1SCC301201D2703
DNV GL Certificate	1SCC301231D0201
Instructions and Manuals	1SCC301081M0206
RoHS Information	1SCC301201D2703

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## Container Information

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Package Level 1 Units	box 1 piece
Package Level 1 Width	130 mm 5.1 in
Package Level 1 Depth / Length	170 mm 6.7 in
Package Level 1 Height	212 mm 8.3 in
Package Level 1 Gross Weight	1.6 kg 3.5 lb
Package Level 1 EAN	6417019787138

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## Classifications

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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)

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## Categories

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

