

PRODUCT-DETAILS

OTDC600UFV11 OTDC600UFV11 PV Disconnect Switch



General Information	
Extended Product Type	OTDC600UFV11
Product ID	1SCA158239R1001
EAN	6417019873442
Catalog Description	OTDC600UFV11 PV Disconnect Switch
Long Description	A fully optimized two-pole DC switch-disconnector for 1500V utility-scale photovoltaic power plants covering 315-630A current range. The new design offers both a size reduction and an increase in efficiency and performance to help manufacturers adapt to the industry's rapid adoption of 1500V DC solutions. The two-pole 1500V DC concept helps manufacturers improve system efficiency, reducing switch losses by up to 35 percent. Measuring just 150mm wide and 122mm high, the OTDC range of 1500V DC switches is also up to 30 percent smaller than conventional solutions. The compact size of the new OTDC range makes it possible for manufacturers to reduce the size of combiner boxes and inverters. Main characteristics for this particular OTDC type: Disconnect single PV circuit, Approved according to UL98B and IEC 60947-1,-3

Ordering Minimum Order Quantity 1 piece Customs Tariff Number 85353010

Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301099M0201 9AKK107492A6191
Mechanical Drawings	OTDC250-600UFV11_stp OTDC250-600UFV11_igs 1SCC307658F0001 1SCC307659F0001
Wiring Diagram	1SCC301030K0201
Dimensions	
Product Frame Size	М
Product Net Width	157.5 mm 6.2 in
Product Net Height	211 mm 8.3 in
Product Net Depth / Length	135 mm 5.3 in
Product Net Weight	3.5 kg 7.7 lb
To be to de	
Technical	
Connection Configuration	Single circuit 2a, 2b
Rated Operational Current DC-21B (I_e)	(1500 V) 630 A
Rated Operational Current DC-22B	(1500 V) 400 A
Rated Operational Current DC-PV1	(1500 V) 500 A
Rated Operational Current DC-PV2	(1500 V) 500 A
Conventional Free-air Thermal Current (I_{th})	630 A
Conventional Thermal Current (I _{the})	Fully Enclosed 630 A
Rated Impulse Withstand Voltage (U _{imp})	12 kV
Rated Insulation Voltage (U _i)	1500 V
Rated Operational Voltage	1500 V
Rated Short-Circuit Making Capacity (I _{cm})	(1500 V DC) 10 kA
Rated Short-time Withstand Current (I _{cw})	(1500 V DC) 10 kA for 1 s 10 kA
Protection Type	Circuit breaker
Power Loss	at Rated Operating Conditions per Pole 32 W
Pollution Degree	3
Handle Type	Handle and shaft not included
Shaft Diameter	12 mm 0.47 in
Switches Operating	Mechanism Between the Poles

6417019873442

Package Level 1 EAN

Mechanism	11 (Between the Poles)
Position of Line Terminals	Top In - Bottom Out
	Bottom In - Top Out
Operating Mode	Front Operated
Standards Secretary Secret	UL98B and IEC 60947-1, -3
Special Functions	No
Mounting Type Number of Circuits	Base mounting
Number of Poles	2
Degree of Protection	Front IP20
Terminal Type	Lug terminals
Terminal Width	30 mm
Tightening Torque	Cable Lug 3040 N·m
Mechanical Durability	10000 cycle
Taskwiss LIII (CCA	
Technical UL/CSA Maximum Operating	4500 V DO
Maximum Operating Voltage UL/CSA	1500 V DC
Ampere Rating UL/CSA	1500VDC 600 A
Tightening Torque UL/CSA	Cable Lug 3044 N·m Cable Lug 266390 lbf·in
Environmental RoHS Status	Following EU Directive 2011/65/EU
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Certificates and Declarations (Document Number)	
Declaration of Conformity - CE	1SCC301227D2701
DNV GL Certificate	1SCC301231D0201
Instructions and Manuals	1SCC301099M0201 9AKK107492A6191
RoHS Information	1SCC301206D0205
Container Information	
	box 1 piece
Container Information Package Level 1 Units Package Level 1 Width	220 mm
Package Level 1 Units	220 mm 8.7 in 250 mm
Package Level 1 Units Package Level 1 Width Package Level 1 Depth /	box 1 piece 220 mm 8.7 in 250 mm 9.8 in 210 mm 8.3 in
Package Level 1 Units Package Level 1 Width Package Level 1 Depth / Length	220 mm 8.7 ir 250 mm 9.8 ir 210 mm

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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)	

Categories

Low Voltage Products and Systems \rightarrow Industries \rightarrow Solar power \rightarrow 1500V DC Low Voltage Products and Systems \rightarrow Switches \rightarrow DC Switch-Disconnectors

