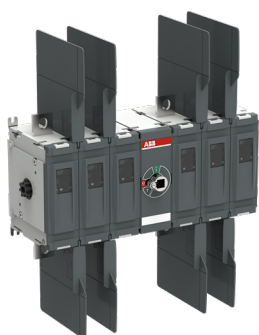


PRODUCT-DETAILS

OTDC500F33

OTDC500F33 DC Switch-disconnector



General Information

Extended Product Type	OTDC500F33
Product ID	1SCA158288R1001
EAN	6417019873930
Catalog Description	OTDC500F33 DC Switch-disconnector
Long Description	<p>A fully optimized six-pole DC switch-disconnector for 1000V utility-scale photovoltaic power plants covering 315-500A current range. The new design offers both a size reduction and an increase in efficiency and performance.</p> <p>The six-pole 1000V DC Switch helps manufacturers improve system efficiency. The compact size of the new OTDC range makes it possible for manufacturers to reduce the size of combiner boxes and inverters.</p> <p>Main characteristics of this particular OTDC type: Disconnect triple PV circuit, Approved according to IEC 60947-1, -3</p>

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363090

Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
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Instructions and Manuals	1SCC301099M0201 9AKK107492A6191
Mechanical Drawings	OTDC315-500F33_stp OTDC315-500F33_igs 1SCC307666F0001 1SCC307667F0001
Wiring Diagram	1SCC301040K0201

Dimensions

Product Frame Size	M
Product Net Width	353.5 mm 13.9 in
Product Net Height	211 mm 8.3 in
Product Net Depth / Length	135 mm 5.3 in
Product Net Weight	11.1 kg 24.6 lb

Technical

Connection Configuration	Triple circuit 7a,7e
Rated Operational Current DC-21B (I_e)	(1000 V) 500 A
Rated Operational Current DC-22B	(1000 V) 400 A
Rated Operational Current DC-PV1	(1000 V) 500 A
Rated Operational Current DC-PV2	(1000 V) 500 A
Conventional Free-air Thermal Current (I_{th})	500 A
Conventional Thermal Current (I_{the})	Fully Enclosed 500 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})	(1500 V DC) 10 kA for 1 s 10 kA
Power Loss	at Rated Operating Conditions per Pole 20 W
Pollution Degree	3
Handle Type	Handle and shaft not included
Shaft Diameter	12 mm 0.47 in
Switches Operating Mechanism	Mechanism Between the Poles 33 (Between the Poles)
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out

Operating Mode	Front Operated
Standards	IEC 60947-1, -3
Special Functions	No
Mounting Type	Base mounting
Number of Circuits	3
Number of Poles	6
Degree of Protection	Front IP20
Terminal Type	Lug terminals
Terminal Width	30 mm 1.2 in
Tightening Torque	Cable Lug 30...40 N·m
Mechanical Durability	10000 cycle

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

Package Level 1 Units	box 1 piece
Package Level 1 Width	310 mm 12.2 in
Package Level 1 Depth / Length	410 mm 16.1 in
Package Level 1 Height	200 mm 7.9 in
Package Level 1 Gross Weight	11.7 kg 25.7 lb
Package Level 1 EAN	6417019873930

Classifications

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

Categories

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

