

PRODUCT-DETAILS

OTDC400UF22P OTDC400UF22P PV Disconnect Switch



General Information	
Extended Product Type	OTDC400UF22P
Product ID	1SCA158442R1001
EAN	6417019875408
Catalog Description	OTDC400UF22P PV Disconnect Switch
Long Description	A fully optimized four-pole DC switch-disconnector for 1000V 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. The four-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. Main characteristics for this switch: Disconnect double PV circuit, Approved according to UL98B and IEC 60947-1,-3

Ordering Minimum Order Quantity	1 piece
Customs Tariff Number	85363090
Country of Origin	Finland (FI

Popular Downloads	
Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301099M0201 9AKK107492A6191

Mechanical Drawings	OTDC250-600UFV22_stp OTDC250-600UFV22_igs 1SCC307664F0001 1SCC307665F0001
Wiring Diagram	1SCC301035K0201

Dimensions	
Product Frame Size	M
Product Net Width	255.5 mm 10.1 in
Product Net Height	211 mm 8.3 in
Product Net Depth / Length	135 mm 5.3 in
Product Net Weight	7.9 kg 17.3 lb

Double	e circuit 4a, 4c
(*	1000 V) 500 A
(*	1000 V) 400 A
(1	1000 V) 500 A
(1	1000 V) 400 A
	500 A
Fully Er	nclosed 500 A
	12 kV
	1500 V
	1000 V
(1000	0 V DC) 10 kA
(1500	0 V DC) 10 kA for 1 s 10 kA
(Circuit breaker
at Rated Operating Conditions p	per Pole 20 W
	3
	Black
	145 mm 5.7 in
	Pistol handle
	12 mm 0.47 in
	185 mm 7.3 in
Mechanism Betw 22 (Betwe	een the Poles een the Poles)
	n - Bottom Out m In - Top Out
F	ront Operated
UL98B and IE	C 60947-1, -3

Special Functions	No
Mounting Type	Base mounting
Number of Circuits	2
Number of Poles	4
Degree of Protection	Front IP20
Terminal Type	Lug terminals
Terminal Width	30 mm 1.2 in
Tightening Torque	Cable Lug 3040 N·m
Mechanical Durability	10000 cycle
Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B) Switching of mixed resistive and inductive loads, including moderate overloads (i.e. shunt motors) - occasional actuation (DC-22B) Switching of single PV string(s) without reverse and overcurrents (DC-PV1) Switching of several PV string(s) with reverse and overcurrents (DC-PV2)

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	1000 V DC
Ampere Rating UL/CSA	1000VDC 400 A
Tightening Torque UL/CSA	Cable Lug 3044 N·m Cable Lug 266390 lbf·in

Environmental	
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)	
CCC Certificate	CQC2019010302206498
Declaration of Conformity - CE	1SCC301227D2701
DNV GL Certificate	1SCC301231D0201
Instructions and Manuals	1SCC301099M0201 9AKK107492A6191
RoHS Information	1SCC301227D2701
UL Certificate	UL certificate OTDC250-1000UF

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	270 mm 10.6 in
Package Level 1 Depth / Length	310 mm 12.2 in
Package Level 1 Height	200 mm 7.9 in
Package Level 1 Gross Weight	8.2 kg 18 lb
Package Level 1 EAN	6417019875408

Classifications

OTDC400UF22P 4

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 Switches \rightarrow DC Switch-Disconnectors

