

PRODUCT-DETAILS

OTDC1000US22K

OTDC1000US22K PV Disconnect Switch



General Information

Extended Product Type	OTDC1000US22K
Product ID	1SCA143715R1001
EAN	6417019714868
Catalog Description	OTDC1000US22K PV Disconnect Switch
Long Description	OTDC1000US22K PV Disconnect Switch, Direct mounted handle and terminal bolt kit included, Base mounting, US single-wire break, UL 1000 VDC 930 A, IEC 1000 VDC 1250 A

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363090
Last Ordering Date	2021-05-31 All Countries
Country of Origin	Finland (FI)

Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301095M0202
Mechanical Drawings	OTDC800-1600_22k_sc-6m_palikka.igs

	1SCC307525F0201
	1SCC307526F0201
Wiring Diagram	1SCC301044K0201

Dimensions

Product Frame Size	L
Product Net Width	414.5 mm 16.3 in
Product Net Height	372 mm 14.6 in
Product Net Depth / Length	235 mm 9.3 in
Product Net Weight	26.3 kg 57.9 lb

Technical

Connection Configuration	Single circuit 6m
Rated Operational Current DC-21B (I_e)	(1000 V) 1600 A
Conventional Free-air Thermal Current (I_{th})	1600 A
Conventional Thermal Current (I_{the})	Fully Enclosed 1250 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 10 kA
Protection Type	Circuit breaker
Power Loss	at Rated Operating Conditions per Pole 35 W
Pollution Degree	3
Handle Color	Black
Handle Length	274 mm 10.8 in
Handle Type	Direct mounted handle
Shaft Diameter	12 mm 0.47 in
Shaft Length	200 mm 7.9 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	50 mm 1.97 in
Tightening Torque	Cable Lug 50...75 N·m
Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B)

Technical UL/CSA

Maximum Operating Voltage UL/CSA	1000 V DC
Ampere Rating UL/CSA	1000VDC 930 A
Tightening Torque UL/CSA	Cable Lug 50...75 N·m Cable Lug 443...664 lbf·in

Environmental

RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	1SCC301234D0201

Certificates and Declarations (Document Number)

CCC Certificate	CQC2017010302965012
Declaration of Conformity - CE	1SCC301208D2702
DNV GL Certificate	1SCC301231D0201
Environmental Information	1SCC301234D0201
Instructions and Manuals	1SCC301095M0202
RoHS Information	1SCC301208D2702

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	400 mm 15.7 in
Package Level 1 Depth / Length	630 mm 24.8 in
Package Level 1 Height	300 mm 11.8 in
Package Level 1 Gross Weight	27.6 kg 60.8 lb
Package Level 1 EAN	6417019714868

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

