OTDC200UV22K

OTDC200UV22K PV Disconnect Switch

General Information

Extended Product Type	OTDC200UV22K
Product ID	1SCA149079R1001
EAN	6417019786858
Catalog Description	OTDC200UV22K PV Disconnect Switch
Long Description	OTDC200UV22K PV Disconnect Switch, Direct mounted handle, Base mounting, IEC&UL 200 A 1000V and 200 A 1500V

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85353010
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	1SCC301036K0201 1SCC301037K0201

Dimensions

Product Frame Size	S
Product Net Width	185 mm 7.3 in
Product Net Height	210 mm 8.3 in
Product Net Depth / Length	110 mm 4.3 in
Product Net Weight	2.5 kg 5.6 lb

Technical

Connection Configuration	Single Circuit 6a, 6b
Rated Operational Current DC-21B (I_e)	(1500 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	1500 V
Rated Short-Circuit Making Capacity (I_{cm})	(1500 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 Between the Poles 22 (Between the Poles)
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Operating Mode	Front Operated
Standards	UL98B and IEC 60947-1, -3
Special Functions	1500 V pre-connected
Mounting Type	Base mounting
Number of Circuits	1
Number of Poles	4
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)

Technical UL/CSA

Maximum Operating Voltage UL/CSA	1500 V DC
Ampere Rating UL/CSA	1500VDC 200 A
Tightening Torque UL/CSA	Cable Lug 10...12 N·m Cable Lug 133...195 lbf·in

Environmental

RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)

CCC Certificate	CQC2013010302611671
CSA Certificate	CSA Letter_of_Attestation OTDC100-200.pdf
Declaration of Conformity - CE	1SCC301201D2703
DNV GL Certificate	1SCC301231D0201
Instructions and Manuals	1SCC301081M0206
RoHS Information	1SCC301201D2703
UL Certificate	UL certificate OTDC100-200.pdf

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	220 mm 8.7 in
Package Level 1 Depth / Length	260 mm 10.2 in
Package Level 1 Height	155 mm 6.1 in
Package Level 1 Gross Weight	2.9 kg 6.4 lb
Package Level 1 EAN	6417019786858

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 → Industries → Solar power → 1500V DC

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