

PRODUCT-DETAILS

OTDC1600E22 OTDC1600E22 DC Switch-disconnector



General Information	
Extended Product Type	OTDC1600E22
Product ID	1SCA143718R1001
EAN	6417019714899
Catalog Description	OTDC1600E22 DC Switch-disconnector
Long Description	OTDC1600E22 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 1000 VDC 1600 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_22_palikka.igs 1SCC307527F0201

Lug terminals

Terminal Type

	1SCC307528F0201
Wiring Diagram	1SCC301042K0201 1SCC301043K0201
	100000104010221
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	145.9 mm 5.7 in
Product Net Weight	18.8 kg 41.4 lb
Technical	
Connection Configuration	Single circuit 6a, 6b
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
Power Loss	at Rated Operating Conditions per Pole 58 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 22 (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	2
Number of Poles	4
Degree of Protection	Front IP20
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Terminal Width	50 mm 1.97 in
Tightening Torque	Cable Lug 5075 N·m
Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B)

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 /	435 mm
Length	17.1 in
Package Level 1 Height	170 mm
	6.7 in
Package Level 1 Gross	20.1 kg
Weight	44.3 lb
Package Level 1 EAN	6417019714899

Classifications

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

Categories

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Low Voltage Products and Systems \rightarrow Switches \rightarrow DC Switch-Disconnectors

