

PRODUCT-DETAILS

OTDC1600E22K

OTDC1600E22K DC Switch-disconnector



General Information

Extended Product Type	OTDC1600E22K
Product ID	1SCA143719R1001
EAN	6417019716602
Catalog Description	OTDC1600E22K DC Switch-disconnector
Long Description	OTDC1600E22K DC Switch-disconnector, Direct mounted handle and terminal bolt kit included, 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_22K_palikka.igs 1SCC307529F0201 1SCC307530F0201
Wiring Diagram	1SCC301042K0201 1SCC301043K0201

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	19.5 kg 43.1 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 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	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
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)

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	20.8 kg 45.9 lb
Package Level 1 EAN	6417019716602

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

