

PRODUCT-DETAILS

OTDC100E02

OTDC100E02 DC Switch-disconnector



General Information

Extended Product Type	OTDC100E02
Product ID	1SCA125822R1001
EAN	6417019558080
Catalog Description	OTDC100E02 DC Switch-disconnector
Long Description	OTDC100E02 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 1000 VDC 100 A

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Last Ordering Date	2021-11-30 All Countries
Country of Origin	Finland (FI)

Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301081M0206
Mechanical Drawings	OTDC100_250E02.igs 1SCC307579F0201

1SCC307580F0201

Dimensions

Product Frame Size	S
Product Net Width	113 mm 4.4 in
Product Net Height	262 mm 10.3 in
Product Net Depth / Length	90.5 mm 3.6 in
Product Net Weight	1.3 kg 2.8 lb

Technical

Connection Configuration	Single circuit 2a, 2b
Rated Operational Current DC-21B (I_{θ})	(1000 V) 100 A
Conventional Free-air Thermal Current (I_{th})	100 A
Conventional Thermal Current (I_{the})	Fully Enclosed 100 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 5 kA for 0.1 s 10 kA
Power Loss	at Rated Operating Conditions per Pole 2 W
Pollution Degree	3
Handle Type	Handle and shaft not included
Shaft Diameter	6 mm 0.24 in
Switches Operating Mechanism	Mechanism at the End of the Switch 02 (Left Side)
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	1
Number of Poles	2
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)

Environmental

RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	NA

Certificates and Declarations (Document Number)

CCC Certificate	CQC2013010302611671
Declaration of Conformity - CE	1SCC301201D2703
DNV GL Certificate	1SCC301231D0201
Environmental Information	NA
Instructions and Manuals	1SCC301081M0206
RoHS Information	1SCC301201D2703

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	210 mm 8.3 in
Package Level 1 Depth / Length	210 mm 8.3 in
Package Level 1 Height	150 mm 5.9 in
Package Level 1 Gross Weight	1.4 kg 3.2 lb
Package Level 1 EAN	6417019558080

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)
E-Number (Finland)	3601581

Categories

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

