

PRODUCT-DETAILS

# OTDC16F3

## OTDC16F3 DC Switch-disconnector



### General Information

Extended Product Type	OTDC16F3
Product ID	1SCA121457R1001
EAN	6417019526126
Catalog Description	OTDC16F3 DC Switch-disconnector
Long Description	OTDC16F3 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 1000 VDC 16 A single circuit

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Country of Origin	Estonia (EE)

### Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301079M0206

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## Dimensions

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Product Frame Size	XS
Product Net Width	52.5 mm 2.1 in
Product Net Height	89 mm 3.5 in
Product Net Depth / Length	77.6 mm 3.1 in
Product Net Weight	0.2 kg 0.4 lb

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## Technical

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Rated Operational Current DC-21B ( $I_{\theta}$ )	(1000 V) 16 A
Conventional Free-air Thermal Current ( $I_{th}$ )	q = 40 °C 25 A
Conventional Thermal Current ( $I_{the}$ )	Fully Enclosed 25 A
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
Rated Insulation Voltage ( $U_i$ )	1000 V
Rated Operational Voltage	1000 V
Rated Short-Circuit Making Capacity ( $I_{cm}$ )	(1000 V DC) 0.8 kA
Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ )	(1000 V DC) 0.8 kA for 1 s 0.8 kA
Power Loss	at Rated Operating Conditions per Pole 0.15 W
Pollution Degree	3
Handle Color	Black
Handle Type	Knob handle
Positive Opening Operation Torque (Direct Opening Action)	0.4 ... 0.8 N·m
Shaft Diameter	6 mm 0.24 in
	Mechanism on Top of the Switch
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, DIN-rail mounting
Number of Circuits	1
Number of Poles	3
Cable Cross-Section	2.5 ... 16 mm <sup>2</sup>
Degree of Protection	Front IP20
Terminal Type	Screw Terminals
Tightening Torque	1.2 ... 1.4 N·m

Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B)

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## Environmental

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

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## Certificates and Declarations (Document Number)

CCC Certificate	CQC2012010302579872
Declaration of Conformity - CE	1SCC301192D2704
DNV GL Certificate	1SCC301231D0201
Environmental Information	NA
Instructions and Manuals	1SCC301079M0206
RoHS Information	1SCC301192D2704

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## Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	100 mm 3.9 in
Package Level 1 Depth / Length	64 mm 2.5 in
Package Level 1 Height	100 mm 3.9 in
Package Level 1 Gross Weight	0.2 kg 0.5 lb
Package Level 1 EAN	6417019526126

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## Classifications

Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnecter
ETIM 6	EC000216 - Switch disconnecter
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601352
E-Number (Sweden)	3134017

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## Categories

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

