PRODUCT-DETAILS

OTDC16F4

OTDC16F4 DC Switch-disconnector



General Information

Extended Product Type	OTDC16F4
Product ID	1SCA121461R1001
EAN	6417019526164
Catalog Description	OTDC16F4 DC Switch-disconnector
Long Description	OTDC16F4 DC Switch-disconnector, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, IEC 660 VDC 16 A double circuit, IEC 1000 VDC 10 A double circuit

ABB EcoSolutions

Environmental Information	NA
Group Waste to Landfill Target	UL 2799 Zero Waste To Landfill Validation available

Material Compliance

Conflict Minerals	9AKK108467A5658

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Reporting Template (CMRT)	
REACH Declaration	1SCC301240D0201
RoHS Information	1SCC301239D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	1SCC301321D0201

Popular Downloads

Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301079M0206
Mechanical Drawings	OTDC16-32F4.igs 1SCC301974F0001 1SCC301975F0001

Environmental

Degree of Protection	Front IP20
Environmental Information	NA
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85363010
Country of Origin	Estonia (EE)

Dimensions

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	89 mm 3.5 in
Product Net Weight	0.2 kg 0.5 lb

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	0.3 kg 0.6 lb
Package Level 1 EAN	6417019526164

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Technical

Cable Cross-Section	2.5 ... 16 mm²
Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 25 A
Conventional Thermal Current (I_{the})	Fully Enclosed 25 A
Degree of Protection	Front IP20
Handle Color	Black
Handle Type	Knob handle
Mounting Type	Base mounting, DIN-rail mounting
Number of Circuits	2
Number of Poles	4P
Operating Mode	Front Operated
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Positive Opening Operation Torque (Direct Opening Action)	0.4 … 0.8 N·m
Power Loss	at Rated Operating Conditions per Pole 0.15 W
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Insulation Voltage (U_i)	1000 V
Rated Operational Current DC-21B (I_e)	(660 V) 16 A (1000 V) 10 A
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
Recommended Screw Driver	Main Circuit Torx
Shaft Diameter	6 mm 0.24 in
Special Functions	No
Standards	IEC 60947-1, -3
Switches Operating Mechanism	Mechanism on Top of the Switch
Terminal Type	Screw Terminals
Tightening Torque	Main Circuit 1.2 … 1.4 N·m
Utilization	Photovoltaic
Utilization Category	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B)
Wire Stripping Length	Main Circuit 38 … 11 mm

Technical UL/CSA

Wire Stripping Length	Main Circuit 38 … 11 mm
Recommended Screw Driver	Main Circuit Torx
Tightening Torque	Main Circuit 1.2 … 1.4 N·m

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Certificates and Declarations

CCC Certificate	CQC2012010302579872
Declaration of Conformity - CE	1SCC301192D2704
Declaration of Conformity - UKCA	1SCC301313D0201
DNV GL Certificate	1SCC301231D0201

Classifications

Object Classification Code	Q
ETIM 8	EC000216 - Switch disconnector
ETIM 9	EC000216 - Switch disconnector (low voltage)
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601353
E-Number (Norway)	4363636
E-Number (Sweden)	3134018

Categories

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



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