PRODUCT-DETAILS

OT16M3

OT16M3 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT16M3
Product ID	1SCA022497R0220
EAN	6417019158389
Catalog Description	OT16M3 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector with protected clamp terminals, handle and shaft are not included, suitable for distribution board with 45mm slots

ABB EcoSolutions

Environmental Information	1SCC301262D0201
Environmental Product Declaration - EPD	1SCC301278D0201

Material Compliance

Conflict Minerals	9AKK108467A5658

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Reporting Template (CMRT)	
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	1SCC011025D0201

Popular Downloads

Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301052M0006
Environmental Product Declaration - EPD	1SCC301278D0201

Environmental

Degree of Protection	Front IP20
Environmental Information	1SCC301262D0201
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country of Origin	Finland (FI)

Dimensions

Product Net Width	35 mm
Product Net Height	68 mm
Product Net Depth / Length	73 mm
Product Net Weight	0.09 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	82 mm
Package Level 1 Depth / Length	103 mm
Package Level 1 Height	86 mm
Package Level 1 Gross Weight	0.1 kg
Package Level 1 EAN	6417019158389

Technical

Cable Cross-Section	Cu 0.75 ... 10 mm^2
Conventional Free-air	Θ = 40 °C 25 A

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Thermal Current (I_{th})	
Conventional Thermal Current (I_{the})	Fully Enclosed 25 A
Degree of Protection	Front IP20
Distance Between Phases	Standard
Handle Type	Handle and shaft not included
Lock Type	No
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	3P
Operating Mode	Front operated
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Power Loss	at Rated Operating Conditions per Pole 0.3 W
Rated Conditional Short-Circuit Current (I_{nc})	(40 A fuse, ≤415V) 50 kA (25 A fuse, 690 V) 50 kA
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Current AC-21A (I_e)	(380 ... 415 V) 16 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 16 A (500 V) 16 A (690 V) 16 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 16 A (500 V) 16 A (690 V) 10 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 3 kW (400 ... 415 V) 7.5 kW (500 V) 7.5 kW (690 V) 7.5 kW
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 0.71 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 0.5 kA
Special Functions	No
Standards	IEC 60947-3
Switches Operating Mechanism	Mechanism on Top of the Switch
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 0.8 N·m

Technical UL/CSA

Tightening Torque	acc. IEC 60947-1 0.8 N·m

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed

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Declaration of Conformity - CE	1SCC301166D2703
UL Certificate	No certification needed
VDE Certificate	No certification needed

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 (Sweden)	3171075

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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