PRODUCT-DETAILS

OT16M4

OT16M4 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT16M4
Product ID	1SCA022497R0730
EAN	6417019158433
Catalog Description	OT16M4 SWITCH-DISCONNECTOR
Long Description	4-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 Declaration	1SCC011020D0201
RoHS Information	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
Mechanical Drawings	OT16M4.stp
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 or Territory of Origin	Finland

Dimensions

Product Net Width	48 mm
Product Net Height	68 mm
Product Net Depth / Length	73 mm
Product Net Weight	0.125 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	0.14 kg
Package Level 1 EAN	6417019158433

Technical

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Cable Cross-Section	Cu 0.75 ... 10 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
Distance Between Phases	Standard
Fourth Pole Position	Right Side
Fourth Pole Type	Switched - Simultaneous Function
Handle Type	Handle and shaft not included
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	4P
Operating Mode	Front
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 / UL 508 / CSA C22.2 No. 14
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

Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 1 Hp (240 V AC) Single Phase 2 Hp (440 ... 480 V AC) Single Phase 5 Hp (550 ... 600 V AC) Single Phase 7.5 Hp (220 ... 240 V AC) Three Phase 5 Hp (440 ... 480 V AC) Three Phase 10 Hp

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	(550 ... 600 V AC) Three Phase 10 Hp
Tightening Torque	acc. IEC 60947-1 0.8 N·m

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301166D2703
UL Certificate	No certification needed
VDE Certificate	No certification needed

External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnector (low voltage)
ETIM 10	EC000216 - Switch disconnector (AC)
UNSPSC	39122233
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Sweden)	3171077

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



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