



PRODUCT-DETAILS

OT16F3

OT16F3 SWITCH-DISCONNECTOR



General Information	
Extended Product Type:	OT16F3
Product ID:	1SCA104811R1001
EAN:	6417019389554
Catalog Description:	OT16F3 SWITCH-DISCONNECTOR
Long Description:	3-pole, front operated, base mounted, DIN-rail mountable switch-d disconnecter / non-fusible disconnect switch with protected clamp terminals, handle and shaft are not included
Display Name:	OT16F3

ABB EcoSolutions	
Environmental Information:	1SCC301262D0201
Environmental Product Declaration - EPD:	1SCC301278D0201

Material Compliance

Conflict Minerals Reporting Template (CMRT):	9AKK108467A5658
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:	1SCC301434F0001 1SCC301433F0001 OT16-40F3.stp OT16-40F3.igs

Environmental

Degree of Protection:	Front IP20
Pollution Degree:	3

Ordering

Minimum Order Quantity:	10 piece
Customs Tariff Number:	85365080
Country of Origin:	Finland

Dimensions

Product Net Width:	35 mm
Product Net Height:	68 mm
Product Net Depth / Length:	56 mm
Product Net Weight:	0.09 kg

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	67 mm
Package Level 1 Depth / Length:	79 mm
Package Level 1 Height:	46 mm
Package Level 1 Gross Weight:	0.1 kg
Package Level 1 EAN:	6417019389554

Technical

Cable Cross-Section:	Cu 0.75 ... 10 mm ²
Color:	Grey
Connecting Capacity Main Circuit:	Flexible with Ferrule 1x Cu 0.75...4 mm ² Solid 1x Cu 0.75...6 mm ² Flexible 1x Cu 0.75...10 mm ² Stranded 1x Cu 0.75...10 mm ²
Conventional Free-air Thermal Current (I_{th}):	Θ = 40 °C 25 A
Conventional Thermal Current (I_{the}):	Fully Enclosed 25 A
Distance Between Phases:	Standard
Handle Type:	Knob
Mechanical Durability:	20000
Mounting Type:	Base mounting
Number of Poles:	3P
Operating Mode:	Front
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 (500 V) 16 A (690 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
Recommended Screw Driver:	Main Circuit Pozidriv 2
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

Wire Stripping Length: Main Circuit 9-10 mm

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	600 V
Ampere Rating:	20 A
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 (550 ... 600 V AC) Three Phase 10 Hp
Tightening Torque UL/CSA:	7 in-lb

Certificates and Declarations

A2L Certificate – IEC:	1SCC301335D0201
ATEX Certificate:	No certification needed
Declaration of Conformity - CE:	1SCC301166D2703
UL Certificate:	cULus certificate OT16-80
VDE Certificate:	No certification needed

External Classifications and Standards

Object Classification Code:	Q
ETIM 9:	EC000216 - Switch disconnecter (low voltage)
ETIM 10:	EC000216 - Switch disconnecter (AC)
UNSPSC:	39122233
IDEA Granular Category Code (IGCC):	5290 >> Disconnect switch
eClass:	V11.1 : 27371403
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland):	3601419
E-Number (Norway):	4363520
E-Number (Sweden):	3170937

Categories

Products > Low Voltage Products and Systems > Switches > Switch Disconnectors

