



PRODUCT-DETAILS

OT40F6

OT40F6 SWITCH-DISCONNECTOR



General Information	
Extended Product Type	OT40F6
Product ID	1SCA104936R1001
EAN	6417019390765
Catalog Description	OT40F6 SWITCH-DISCONNECTOR
Long Description	6-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle and shaft are not included

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

Material Compliance	
Conflict Minerals	9AKK108467A5658

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	1SCC301055M0003
Mechanical Drawings	1SCC301442F0001 1SCC301441F0001 OT16-40F6.igs
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	70 mm
Product Net Height	68 mm
Product Net Depth / Length	68 mm
Product Net Weight	0.21 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	80 mm
Package Level 1 Depth / Length	108 mm
Package Level 1 Height	79 mm
Package Level 1 Gross Weight	0.25 kg
Package Level 1 EAN	6417019390765

Technical

Cable Cross-Section	Cu 0.75 ... 10 mm ²
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})	$\Theta = 40\text{ }^{\circ}\text{C}$ 40 A
Conventional Thermal Current (I_{the})	Fully Enclosed 40 A
Degree of Protection	Front IP20
Distance Between Phases	Standard
Handle Type	Knob Handle and shaft not included
Lock Type	No
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	6P
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 1.6 W
Rated Conditional Short-Circuit Current (I_{nc})	(40 A fuse, $\leq 415\text{ V}$) 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) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 23 A (500 V) 23 A (690 V) 12 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 5.5 kW (400 ... 415 V) 11 kW (500 V) 11 kW (690 V) 11 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	40 A
Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 5 Hp (440 ... 480 V AC) Single Phase 10 Hp (550 ... 600 V AC) Single Phase 15 Hp (220 ... 240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 20 Hp (550 ... 600 V AC) Three Phase 25 Hp
Wire Stripping Length	Main Circuit 9-10 mm
Recommended Screw Driver	Main Circuit Pozidriv 2
Tightening Torque	acc. IEC 60947-1 0.8 N·m
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 8	EC000216 - Switch disconnecter
ETIM 9	EC000216 - Switch disconnecter (low voltage)
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)	3601444
E-Number (Norway)	4363564

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



360°