PRODUCT-DETAILS

OT30F3

OT30F3 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT30F3
Product ID	1SCA105068R1001
EAN	6417019391984
Catalog Description	OT30F3 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with front protected clamp terminals, handle and shaft are not included

ABB EcoSolutions

Environmental Information	1SCC301183D0201
Environmental Product Declaration - EPD	1SCC301280D0201

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	1SCC301060M0004
Mechanical Drawings	1SCC307713F0001 1SCC307712F0001 OT30-60F3.stp OT30-60F3.igs
Environmental Product Declaration - EPD	1SCC301280D0201

Environmental

Degree of Protection	Front IP20
Environmental Information	1SCC301183D0201
Pollution Degree	3

Ordering

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

Dimensions

Product Net Width	70 mm
Product Net Height	100 mm
Product Net Depth / Length	74 mm
Product Net Weight	0.36 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	81 mm
Package Level 1 Depth / Length	112 mm
Package Level 1 Height	86 mm
Package Level 1 Gross Weight	0.39 kg
Package Level 1 EAN	6417019391984

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Technical

Cable Cross-Section	Cu 2.5 ... 25 mm²
Connecting Capacity Main Circuit	Flexible 1x Cu 2.5…25 mm² Stranded 1x Cu 2.5…25 mm²
Degree of Protection	Front IP20
Distance Between Phases	Standard
Handle Type	Knob Handle and shaft not included
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	3P
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 0.7 W
Rated Conditional Short-Circuit Current (I_{nc})	(125 A fuse, 415 V) 50 kA (125 A fuse, 690 V) 10 kA (63 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) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Power AC-23A (P_e)	(380 ... 415 V) 18.5 kW (500 V) 22 kW (690 V) 37 kW
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 3.6 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 2.5 kA
Recommended Screw Driver	Main Circuit Hexagon 4
Special Functions	No
Standards	IEC 60947-3 / UL 98 / CSA C22.2 NO.4
Switches Operating Mechanism	Mechanism on Top of the Switch
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 6.2 N·m
Wire Stripping Length	Main Circuit 17-18 mm

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Ampere Rating	30 A

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Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 5 Hp (220 ... 240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 20 Hp (550 ... 600 V AC) Three Phase 30 Hp
Wire Stripping Length	Main Circuit 17-18 mm
Recommended Screw Driver	Main Circuit Hexagon 4
Tightening Torque	acc. IEC 60947-1 6.2 N·m
Tightening Torque UL/CSA	55 in·lb

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301010D0201
UL Certificate	cULus certificate OT30-125
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
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)	3601437
E-Number (Sweden)	3171945

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

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