PRODUCT-DETAILS

OT30G3-3BS

OT30G3-3BS SWITCH DISCONNECTOR



General Information

Extended Product Type:	OT30G3-3BS
Product ID:	1SCA162539R1001
EAN:	6417019925721
Catalog Description:	OT30G3-3BS SWITCH DISCONNECTOR
Long Description:	OT Plus Switch disconnector series. 3-pole front operated base mounted DIN-rail mountable switch disconnector suitable for panels with 45mm DIN cut-out. The switch disconnector has inbuilt screw terminals and comes with direct-mounted knob handle that can be padlocked and shaft can be mounted for external operation.
Display Name:	OT30G3-3BS

ABB EcoSolutions

ABB EcoSolutions:	Yes
End Of Life Disassembling Instructions:	1SCC301146M0201
Environmental Information:	1SCC301334D0201
Environmental Product Declaration - EPD:	1SCC301334D0201

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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:	9AKK108468A5537 1SCC301020C0201
Instructions and Manuals:	1SCC301127M0201
Mechanical Drawings:	OT30_160G3_3BS.stp

Environmental

Degree of Protection:	Front IP20
Pollution Degree:	3

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080
Country of Origin:	Finland

Dimensions

Product Net Width:	70 mm
Product Net Height:	123 mm
Product Net Depth / Length:	74.6 mm
Product Net Weight:	0.399 kg

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	76 mm
Package Level 1 Depth / Length:	129 mm
Package Level 1 Height:	79 mm
Package Level 1 Gross Weight:	0.453 kg
Package Level 1 EAN:	6417019925721
Package Level 2 Units:	carton 10 piece

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Package Level 2 Width:	398 mm
Package Level 2 Depth / Length:	280 mm
Package Level 2 Height:	93 mm
Package Level 2 Gross Weight:	4.53 kg

Technical

Color:	Grey
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x Cu 2.5…4 mm² Solid 1/2x Cu 2.5…6 mm² Flexible 1x Cu 2.5…70 mm² Flexible 2x Cu 2.5…25 mm² Stranded 1x Cu 2.5…70 mm² Stranded 2x Cu 2.5…25 mm²
Conventional Free-air Thermal Current (I_{th}):	40 A
Conventional Thermal Current (I_{the}):	40 A
Handle Color:	Black
Handle Length:	37 mm
Handle Type:	Knob
Lock Type:	Padlockable
Maximum Mounted Auxiliary Contacts:	4 NO, 4 NC
Mechanical Durability:	Nr. Operations 100000
Mounting Type:	Base/DIN 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 0.6 W
Rated Conditional Short-Circuit Current (I_{nc}):	(80 A fuse, 690 V) 50 kA
Rated Impulse Withstand Voltage (U_{imp}):	8 kV
Rated Insulation Voltage (U_i):	acc. to IEC 60947-1 800 V
Rated Operational Current AC-21A (I_e):	(415 V) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Current AC-22A (I_e):	(415 V) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Current AC-23A (I_e):	(415 V) 40 A (500 V) 40 A (690 V) 40 A
Rated Operational Power AC-23A (P_e):	(415 V) 18.5 kW (500 V) 30 kW (690 V) 37 kW
Rated Operational Voltage:	Main Circuit 800 V
Rated Short-Circuit Making Capacity (I_{cm}):	(690 V) 4.8 kA
Rated Short-time Withstand Current Low Voltage (I_{cw}):	for 1 s 2.5 kA for 0.2 s 3.3 kA

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Recommended Screw Driver:	Main Circuit Hexagon 4
Special Functions:	No
Standards:	IEC60947-3 UL98 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 N·m
Wire Stripping Length:	Main Circuit 16-18 mm Main Circuit 0.63-0.71 in

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	600 V
Ampere Rating:	30 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 (110 ... 120 V AC) Three Phase 5 Hp (240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 20 Hp (550 ... 600 V AC) Three Phase 30 Hp
Wire Size:	1x 12-2/0 AWG 2x 12-4 AWG
Tightening Torque UL/CSA:	UL 53 lbf·in

Certificates and Declarations

CCC Certificate:	CCC OT30-160G3
Declaration of Conformity - CE:	1SCC301328D2701
DNV Certificate:	1SCC301347D0201
UL Certificate:	cULus certificate OT_OTC30-100G3

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):	3642555
E-Number (Sweden):	3172145

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Categories

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







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