



PRODUCT-DETAILS

OT25G1-3DS

OT25G1-3DS SWITCH DISCONNECTOR



General Information	
Extended Product Type:	OT25G1-3DS
Product ID:	1SCA163422R1001
EAN:	6417019931067
Catalog Description:	OT25G1-3DS SWITCH DISCONNECTOR
Long Description:	OT Plus Switch disconnecter series. 3-pole front operated door mounted switch disconnecter. The switch disconnecter has inbuilt screw terminals. Handle is not included.
Display Name:	OT25G1-3DS

ABB EcoSolutions	
ABB EcoSolutions:	Yes
ABB Site Meeting Group Waste To Landfill Target:	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available
End Of Life Disassembling Instructions:	1SCC301152M0201
Environmental Product Declaration - EPD:	1SCC301349D0201
Extended Product Lifetime:	Product Durability is Enhanced

Improved Energy Efficiency for Customers:	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 92.5 %
Sustainable Material Content in Packaging (wt. %):	FSC 100% Cardboard - 35.9 % FSC 100% Cardboard - 41.98 % FSC 100% Cardboard - 22.12 %

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:	1SCC301148M0201
Mechanical Drawings:	OT16_63G1_3D_SR.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:	43 mm
Product Net Height:	65 mm
Product Net Depth / Length:	59 mm
Product Net Weight:	0.121 kg

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	45 mm
Package Level 1 Depth / Length:	68 mm
Package Level 1 Height:	61 mm
Package Level 1 Gross Weight:	0.141 kg
Package Level 1 EAN:	6417019931067
Package Level 2 Units:	carton 10 piece
Package Level 2 Width:	91 mm
Package Level 2 Depth / Length:	263 mm
Package Level 2 Height:	170 mm
Package Level 2 Gross Weight:	1.41 kg

Technical

Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x Cu 0.75...4 mm ² Solid 1/2x Cu 0.75...6 mm ² Flexible 1x Cu 1.5...16 mm ² Flexible 2x Cu 1.5...6 mm ² Stranded 1x Cu 1.5...16 mm ² Stranded 2x Cu 1.5...6 mm ²
Conventional Free-air Thermal Current (I_{th}):	25 A
Conventional Thermal Current (I_{the}):	25 A
Handle Type:	Handle Not Included
Maximum Mounted Auxiliary Contacts:	4 NO, 4 NC
Mechanical Durability:	Nr. Operations 100000
Mounting Type:	Door 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 0.4 W
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) 25 A (500 V) 25 A (690 V) 25 A
Rated Operational Current AC-22A (I_e):	(415 V) 25 A (500 V) 25 A (690 V) 25 A
Rated Operational Current AC-23A (I_e):	(415 V) 25 A (500 V) 25 A (690 V) 25 A
Rated Operational Power AC-23A (P_e):	(415 V) 11 kW (500 V) 15 kW (690 V) 22 kW
Rated Operational Voltage:	Main Circuit 800 V
Rated Short-Circuit Making Capacity (I_{cm}):	(690 V) 1.76 kA

Rated Short-time Withstand Current Low Voltage (I_{cw}): for 1 s 0.8 kA
for 0.2 s 1.25 kA

Recommended Screw Driver: Main Circuit Pozidriv 2

Switches Operating Mechanism: Mechanism on Top of the Switch

Terminal Type: Screw Terminals

Tightening Torque: acc. IEC 60947-1 1 N·m

Wire Stripping Length: Main Circuit 9-10 mm
Main Circuit 0.35-0.39 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 1.5 Hp
(240 V AC) Single Phase 3 Hp
(440 ... 480 V AC) Single Phase 7.5 Hp
(550 ... 600 V AC) Single Phase 10 Hp
(240 V AC) Three Phase 7.5 Hp
(440 ... 480 V AC) Three Phase 15 Hp
(550 ... 600 V AC) Three Phase 20 Hp

Wire Size: 1x 18-6 AWG
2x 16-10 AWG

Tightening Torque UL/CSA: UL 1 lbf·in

Certificates and Declarations

CCC Certificate: CCC OT16-63G1

Declaration of Conformity - CE: 1SCC301348D2701

DNV Certificate: 1SCC301347D0201

UL Certificate: 1SCC301345D0201

External Classifications and Standards

ETIM 9: EC000216 - Switch disconnecter (low voltage)

ETIM 10: EC000216 - Switch disconnecter (AC)

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): 3660547

E-Number (Sweden): 3172222

Categories

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

