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 PRODUCT-DETAILS

# OT40G1-4DSN2

## OT40G1-4DSN2 SWITCH DISCONNECTOR




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### General Information

<b>Extended Product Type:</b>	OT40G1-4DSN2
<b>Product ID:</b>	1SCA163502R1001
<b>EAN:</b>	6417019931364
<b>Catalog Description:</b>	OT40G1-4DSN2 SWITCH DISCONNECTOR
<b>Long Description:</b>	OT Plus Switch disconnecter series. 4-pole front operated door mounted switch disconnecter. The switch disconnecter has inbuilt screw terminals. Handle is not included.
<b>Display Name:</b>	OT40G1-4DSN2

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### ABB EcoSolutions

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

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

## Material Compliance

<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108467A5658
<b>REACH Declaration:</b>	1SCC011021D0201
<b>RoHS Declaration:</b>	1SCC011020D0201
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
<b>Toxic Substances Control Act - TSCA:</b>	1SCC011025D0201

## Popular Downloads

<b>Instructions and Manuals:</b>	1SCC301148M0201
<b>Mechanical Drawings:</b>	OT16_63G1_4D_N2_SR.STP

## Environmental

<b>Degree of Protection:</b>	Front IP20
<b>Pollution Degree:</b>	3

## Ordering

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85363030
<b>Country of Origin:</b>	Finland

## Dimensions

<b>Product Net Width:</b>	50 mm
<b>Product Net Height:</b>	65 mm
<b>Product Net Depth / Length:</b>	59 mm
<b>Product Net Weight:</b>	0.150 kg

## Container Information

<b>Package Level 1 Units:</b>	box 1 piece
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Package Level 1 Width:	52 mm
Package Level 1 Depth / Length:	68 mm
Package Level 1 Height:	61 mm
Package Level 1 Gross Weight:	0.172 kg
Package Level 1 EAN:	6417019931364
Package Level 2 Units:	carton 10 piece
Package Level 2 Width:	91 mm
Package Level 2 Depth / Length:	298 mm
Package Level 2 Height:	170 mm
Package Level 2 Gross Weight:	1.72 kg

## Technical

Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x Cu 0.75...4 mm <sup>2</sup> Solid 1/2x Cu 0.75...6 mm <sup>2</sup> Flexible 1x Cu 1.5...16 mm <sup>2</sup> Flexible 2x Cu 1.5...6 mm <sup>2</sup> Stranded 1x Cu 1.5...16 mm <sup>2</sup> Stranded 2x Cu 1.5...6 mm <sup>2</sup>
Conventional Free-air Thermal Current ( $I_{th40A}$ ):	
Conventional Thermal Current ( $I_{the}$ ):	40 A
Fourth Pole Position:	Right Side
Fourth Pole Type:	Switched - Simultaneous Function Switched - Late-break and Early-make
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:	4P
Operating Mode:	Front
Position of Line Terminals:	Top In - Bottom Out Bottom In - Top Out
Power Loss:	at Rated Operating Conditions per Pole 1.0 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) 40 A (690 V) 40 A
Rated Operational Current AC-22A ( $I_e$ ):	(415 V) 40 A (690 V) 40 A
Rated Operational Current AC-23A ( $I_e$ ):	(415 V) 40 A (690 V) 25 A
Rated Operational Power AC-23A ( $P_e$ ):	(415 V) 18.5 kW (690 V) 22 kW
Rated Operational Voltage:	Main Circuit 800 V
Rated Short-Circuit Making Capacity ( $I_{cm}$ ):	(690 V) 1.76 kA

<b>Rated Short-time Withstand Current Low Voltage (I<sub>cw</sub>):</b>	for 1 s 0.8 kA for 0.2 s 1.25 kA
<b>Recommended Screw Driver:</b>	Main Circuit Pozidriv 2
<b>Switches Operating Mechanism:</b>	Mechanism on Top of the Switch
<b>Terminal Type:</b>	Screw Terminals
<b>Tightening Torque:</b>	acc. IEC 60947-1 1 N·m
<b>Wire Stripping Length:</b>	Main Circuit 9-10 mm Main Circuit 0.35-0.39 in

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	600 V
<b>Ampere Rating:</b>	40 A
<b>Horsepower Rating UL/CSA:</b>	(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 (240 V AC) Three Phase 10 Hp (440 ... 480 V AC) Three Phase 20 Hp (550 ... 600 V AC) Three Phase 25 Hp
<b>Wire Size:</b>	1x 18-6 AWG 2x 16-10 AWG
<b>Tightening Torque UL/CSA:</b>	UL 1 lbf·in

## Certificates and Declarations

<b>CCC Certificate:</b>	CCC OT16-63G1
<b>Declaration of Conformity - CE:</b>	1SCC301348D2701
<b>DNV Certificate:</b>	1SCC301347D0201
<b>UL Certificate:</b>	1SCC301345D0201

## External Classifications and Standards

<b>ETIM 9:</b>	EC000216 - Switch disconnecter (low voltage)
<b>ETIM 10:</b>	EC000216 - Switch disconnecter (AC)
<b>IDEA Granular Category Code (IGCC):</b>	5290 >> Disconnect switch
<b>eClass:</b>	V11.1 : 27371403
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)
<b>E-Number (Finland):</b>	3660500
<b>E-Number (Sweden):</b>	3172244

## Categories

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

