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 PRODUCT-DETAILS

# OT80G2-4BSN2

## OT80G2-4BSN2 SWITCH DISCONNECTOR




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### General Information

<b>Extended Product Type:</b>	OT80G2-4BSN2
<b>Product ID:</b>	1SCA162561R1001
<b>EAN:</b>	6417019925967
<b>Catalog Description:</b>	OT80G2-4BSN2 SWITCH DISCONNECTOR
<b>Long Description:</b>	OT Plus Switch disconnecter series. 4-pole front operated base mounted DIN-rail mountable switch disconnecter suitable for panels with 45mm DIN cut-out. The switch disconnecter has inbuilt screw terminals and comes with direct-mounted knob handle that can be padlocked and shaft can be mounted for external operation.
<b>Display Name:</b>	OT80G2-4BSN2

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### ABB EcoSolutions

<b>ABB EcoSolutions:</b>	Yes
<b>End Of Life Disassembling Instructions:</b>	1SCC301147M0201
<b>Environmental Information:</b>	1SCC301333D0201
<b>Environmental Product Declaration - EPD:</b>	1SCC301333D0201

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## Material Compliance

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<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

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## Popular Downloads

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<b>Data Sheet, Technical Information:</b>	9AKK108468A5537 1SCC301020C0201
<b>Instructions and Manuals:</b>	1SCC301134M0201
<b>Mechanical Drawings:</b>	OT63_100G2_4BSN2.stp

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## Environmental

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

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## Ordering

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

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## Dimensions

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<b>Product Net Width:</b>	70 mm
<b>Product Net Height:</b>	91.5 mm
<b>Product Net Depth / Length:</b>	73 mm
<b>Product Net Weight:</b>	0.321 kg

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## Container Information

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<b>Package Level 1 Units:</b>	box 1 piece
<b>Package Level 1 Width:</b>	76 mm
<b>Package Level 1 Depth / Length:</b>	98 mm
<b>Package Level 1 Height:</b>	77 mm
<b>Package Level 1 Gross Weight:</b>	0.370 kg
<b>Package Level 1 EAN:</b>	6417019925967
<b>Package Level 2 Units:</b>	carton 10 piece

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Package Level 2 Width:	427 mm
Package Level 2 Depth / Length:	217 mm
Package Level 2 Height:	91 mm
Package Level 2 Gross Weight:	3.70 kg

## Technical

Color:	Grey
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x Cu 1.5...4 mm <sup>2</sup> Solid 1/2x Cu 1.5...6 mm <sup>2</sup> Flexible 1x Cu 1.5...35 mm <sup>2</sup> Flexible 2x Cu 1.5...16 mm <sup>2</sup> Stranded 1x Cu 1.5...35 mm <sup>2</sup> Stranded 2x Cu 1.5...16 mm <sup>2</sup>
Conventional Free-air Thermal Current (I <sub>th</sub> 80 A):	
Conventional Thermal Current (I <sub>the</sub> ):	80 A
Fourth Pole Position:	Right Side
Fourth Pole Type:	Switched - Simultaneous Function Switched - Late-break and Early-make
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:	4P
Operating Mode:	Front
Position of Line Terminals:	Top In - Bottom Out Bottom In - Top Out
Power Loss:	at Rated Operating Conditions per Pole 3.4 W
Rated Conditional Short-Circuit Current (I <sub>nc</sub> ):	(80 A fuse, 690 V) 50 kA
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	8 kV
Rated Insulation Voltage (U <sub>i</sub> ):	acc. to IEC 60947-1 800 V
Rated Operational Current AC-21A (I <sub>e</sub> ):	(415 V) 80 A (690 V) 80 A
Rated Operational Current AC-22A (I <sub>e</sub> ):	(415 V) 80 A (690 V) 80 A
Rated Operational Current AC-23A (I <sub>e</sub> ):	(415 V) 80 A (690 V) 40 A
Rated Operational Power AC-23A (P <sub>e</sub> ):	(415 V) 45 kW (690 V) 37 kW
Rated Operational Voltage:	Main Circuit 800 V
Rated Short-Circuit Making Capacity (I <sub>cm</sub> ):	(690 V) 3.5 kA

<b>Rated Short-time Withstand Current Low Voltage (I<sub>cw</sub>):</b>	for 1 s 1.5 kA for 0.2 s 2.5 kA
<b>Recommended Screw Driver:</b>	Main Circuit Pozidriv 2
<b>Special Functions:</b>	No
<b>Standards:</b>	IEC60947-3 UL60947-4-1 CSA C22.2 No.14
<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 2 N·m
<b>Wire Stripping Length:</b>	Main Circuit 13-16 mm Main Circuit 0.51-0.63 in

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	600 V
<b>Ampere Rating:</b>	80 A
<b>Horsepower Rating UL/CSA:</b>	(110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 10 Hp (440 ... 480 V AC) Single Phase 20 Hp (550 ... 600 V AC) Single Phase 20 Hp (110 ... 120 V AC) Three Phase 5 Hp (240 V AC) Three Phase 20 Hp (440 ... 480 V AC) Three Phase 40 Hp (550 ... 600 V AC) Three Phase 40 Hp
<b>Wire Size:</b>	1x 16-2 AWG 2x 16-8 AWG
<b>Tightening Torque UL/CSA:</b>	UL 18 lbf·in

## Certificates and Declarations

<b>CCC Certificate:</b>	CCC OT63-100G2
<b>Declaration of Conformity - CE:</b>	1SCC301329D2701
<b>DNV Certificate:</b>	1SCC301347D0201
<b>UL Certificate:</b>	cULus certificate OT_OTC63-100G2

## External Classifications and Standards

<b>Object Classification Code:</b>	Q
<b>ETIM 9:</b>	EC000216 - Switch disconnecter (low voltage)
<b>ETIM 10:</b>	EC000216 - Switch disconnecter (AC)
<b>UNSPSC:</b>	39122233
<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>	3642549
<b>E-Number (Norway):</b>	4384710

E-Number (Sweden): 3172157

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## Categories

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



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