



## PRODUCT-DETAILS

**OT80G2-6BS****OT80G2-6BS SWITCH DISCONNECTOR****General Information**

<b>Extended Product Type:</b>	OT80G2-6BS
<b>Product ID:</b>	1SCA162679R1001
<b>EAN:</b>	6417019926643
<b>Catalog Description:</b>	OT80G2-6BS SWITCH DISCONNECTOR
<b>Long Description:</b>	OT Plus Switch disconnecter series. 6-pole front operated base mounted DIN-rail mountable switch disconnecter. The switch disconnecter has inbuilt screw terminals and comes with universal direct-mounted knob handle that can be padlocked and shaft can be mounted for external operation.
<b>Display Name:</b>	OT80G2-6BS

**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

## 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>Data Sheet, Technical Information:</b>	9AKK108468A5537 1SCC301020C0201
<b>Instructions and Manuals:</b>	1SCC301135M0201
<b>Mechanical Drawings:</b>	OT63_80G2_6B_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>	91.5 mm
<b>Product Net Height:</b>	105 mm
<b>Product Net Depth / Length:</b>	96 mm
<b>Product Net Weight:</b>	0.564 kg

## Container Information

<b>Package Level 1 Units:</b>	box 1 piece
<b>Package Level 1 Width:</b>	100 mm
<b>Package Level 1 Depth / Length:</b>	109 mm
<b>Package Level 1 Height:</b>	96 mm
<b>Package Level 1 Gross Weight:</b>	0.564 kg
<b>Package Level 1 EAN:</b>	6417019926643

## Technical

<b>Color:</b>	Grey
<b>Connecting Capacity Main Circuit:</b>	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>
<b>Conventional Free-air Thermal Current (<math>I_{th80 A}</math>):</b>	
<b>Conventional Thermal Current (<math>I_{the}</math>):</b>	80 A
<b>Handle Color:</b>	Black
<b>Handle Length:</b>	57 mm
<b>Handle Type:</b>	Knob
<b>Lock Type:</b>	Padlockable
<b>Maximum Mounted Auxiliary Contacts:</b>	4 NO, 4 NC
<b>Mounting Type:</b>	Base/DIN mounting
<b>Number of Poles:</b>	6P
<b>Operating Mode:</b>	Front
<b>Position of Line Terminals:</b>	Top In - Bottom Out Bottom In - Top Out
<b>Power Loss:</b>	at Rated Operating Conditions per Pole 3.4 W
<b>Rated Conditional Short-Circuit Current (<math>I_{nc}</math>):</b>	(80 A fuse, 690 V) 50 kA
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	8 kV
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	acc. to IEC 60947-1 800 V
<b>Rated Operational Current AC-21A (<math>I_e</math>):</b>	(415 V) 80 A (690 V) 80 A
<b>Rated Operational Current AC-22A (<math>I_e</math>):</b>	(415 V) 80 A (690 V) 80 A
<b>Rated Operational Current AC-23A (<math>I_e</math>):</b>	(415 V) 65 A (690 V) 40 A
<b>Rated Operational Power AC-23A (<math>P_e</math>):</b>	(415 V) 45 kW (690 V) 37 kW
<b>Rated Operational Voltage:</b>	Main Circuit 800 V
<b>Rated Short-Circuit Making Capacity (<math>I_{cm}</math>):</b>	(690 V) 3.5 kA
<b>Rated Short-time Withstand Current Low Voltage (<math>I_{cw}</math>):</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

**Wire Stripping Length:** Main Circuit 13-16 mm  
Main Circuit 0.51-0.63 in

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## 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 N·m

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## Certificates and Declarations

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

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## 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>	3660476
<b>E-Number (Norway):</b>	4384712
<b>E-Number (Sweden):</b>	3172273

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## Categories

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

