



PRODUCT-DETAILS

# OTC80G2-3BS

## OTC80G2-3BS CHANGE-OVER SWITCH




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### General Information

<b>Extended Product Type:</b>	OTC80G2-3BS
<b>Product ID:</b>	1SCA162737R1001
<b>EAN:</b>	6417019928050
<b>Catalog Description:</b>	OTC80G2-3BS CHANGE-OVER SWITCH
<b>Long Description:</b>	OT Plus Switch disconnecter series. 3-pole front operated base mounted DIN-rail mountable change-over switch. The change-over switch 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>	OTC80G2-3BS

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### 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

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## Environmental

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Degree of Protection: Front IP20

Pollution Degree: 3

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## Ordering

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Minimum Order Quantity: 1 piece

Customs Tariff Number: 85363030

Country of Origin: Finland

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## Dimensions

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Product Net Width: 91.5 mm

Product Net Height: 105 mm

Product Net Depth / Length: 96 mm

Product Net Weight: 0.564 kg

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## Container Information

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Package Level 1 Units: box 1 piece

Package Level 1 Width: 100 mm

Package Level 1 Depth / Length: 109 mm

Package Level 1 Height: 96 mm

Package Level 1 EAN: 6417019928050

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## Technical

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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

Handle Color: Black

Handle Length: 57 mm

Handle Type: Knob

Lock Type: Padlockable

Maximum Mounted Auxiliary Contacts: 2 NO, 2 NC

Mounting Type: Base/DIN mounting

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<b>Number of Poles:</b>	3P
<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
<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 N·m

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## Certificates and Declarations

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CCC Certificate:	CCC OTC63-80G2
Declaration of Conformity - CE:	1SCC303137D2701

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## External Classifications and Standards

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Object Classification Code:	Q
ETIM 9:	EC000216 - Switch disconnecter (low voltage)
ETIM 10:	EC000216 - Switch disconnecter (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):	36
E-Number (Norway):	4384811

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## Categories

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Products > Low Voltage Products and Systems > Switches > Change-over and Transfer Switches > Manual Change-over Switches

