



PRODUCT-DETAILS

OTC80G3-3BS

OTC80G3-3BS CHANGE-OVER SWITCH



General Information

Extended Product Type:	OTC80G3-3BS
Product ID:	1SCA162745R1001
EAN:	6417019928135
Catalog Description:	OTC80G3-3BS CHANGE-OVER SWITCH
Long Description:	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.
Display Name:	OTC80G3-3BS

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

Environmental

Degree of Protection: Front IP20

Pollution Degree: 3

Ordering

Minimum Order Quantity: 1 piece

Customs Tariff Number: 85363030

Country of Origin: Finland

Dimensions

Product Net Width: 123 mm

Product Net Height: 140 mm

Product Net Depth / Length: 95 mm

Product Net Weight: 0.875 kg

Container Information

Package Level 1 Units: box 1 piece

Package Level 1 Width: 102 mm

Package Level 1 Depth / Length: 144 mm

Package Level 1 Height: 127 mm

Package Level 1 EAN: 6417019928135

Technical

Connecting Capacity Main Circuit: Flexible with Ferrule 1/2x Cu 2.5...4 mm²
 Solid 1/2x Cu 2.5...6 mm²
 Flexible 1x Cu 2.5...70 mm²
 Flexible 2x Cu 2.5...25 mm²
 Stranded 1x Cu 2.5...70 mm²
 Stranded 2x Cu 2.5...25 mm²

Conventional Free-air Thermal Current (I_{th}): 80 A

Conventional Thermal Current (I_{the}): 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

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 2.5 W
Rated Conditional Short-Circuit Current (I_{nc}):	(80 A fuse, 690 V) 25 kA
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) 80 A (690 V) 80 A (800 V) 63 A
Rated Operational Current AC-22A (I_e):	(415 V) 80 A (690 V) 80 A (800 V) 40 A
Rated Operational Current AC-23A (I_e):	(415 V) 80 A (690 V) 50 A
Rated Operational Power AC-23A (P_e):	(415 V) 45 kW (690 V) 45 kW
Rated Operational Voltage:	Main Circuit 800 V
Rated Short-Circuit Making Capacity (I_{cm}):	(690 V) 4.8 kA
Rated Short-time Withstand Current Low Voltage (I_{cw}):	for 1 s 2.5 kA for 0.2 s 3.2 kA
Recommended Screw Driver:	Main Circuit Hexagon 4
Special Functions:	No
Standards:	IEC60947-3
Switches Operating Mechanism:	Mechanism on Top of the Switch
Terminal Type:	Screw Terminals
Tightening Torque:	acc. IEC 60947-1 6 N·m
Wire Stripping Length:	Main Circuit 16-18 mm Main Circuit 0.63-0.71 in

Technical UL/CSA

Tightening Torque UL/CSA:	UL 53 N·m
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Certificates and Declarations

CCC Certificate:	CCC OTC30-160G3
Declaration of Conformity - CE:	1SCC303136D2701

External Classifications and Standards

Object Classification Code:	Q
ETIM 9:	EC000216 - Switch disconnecter (low voltage)

ETIM 10:	EC000216 - Switch disconnector (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):	4384819

Categories

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

