PRODUCT-DETAILS

OT80G2-8BS

OT80G2-8BS SWITCH DISCONNECTOR



General Information

Extended Product Type:	OT80G2-8BS
Product ID:	1SCA162680R1001
EAN:	6417019926650
Catalog Description:	OT80G2-8BS SWITCH DISCONNECTOR
Long Description:	OT Plus Switch disconnector series. 8-pole front operated base mounted DIN-rail mountable switch disconnector. The switch disconnector has inbuilt screw terminals and comes with universal direct-mounted knob handle that can be padlocked and shaft can be mounted for external operation.
Display Name:	OT80G2-8BS

ABB EcoSolutions

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

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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

Popular Downloads

Data Sheet, Technical Information:	9AKK108468A5537 1SCC301020C0201
Instructions and Manuals:	1SCC301135M0201
Mechanical Drawings:	OT63_80G2_8B_SR.STP

Environmental

Degree of Protection:	Front IP20
Pollution Degree:	3

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85365080
Country of Origin:	Finland

Dimensions

Product Net Width:	91.5 mm
Product Net Height:	140 mm
Product Net Depth / Length:	96 mm
Product Net Weight:	0.704 kg

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	100 mm
Package Level 1 Depth / Length:	144 mm
Package Level 1 Height:	96 mm
Package Level 1 Gross Weight:	0.704 kg
Package Level 1 EAN:	6417019926650

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Technical

Color:	Grey
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x Cu 1.5…4 mm² Solid 1/2x Cu 1.5…6 mm² Flexible 1x Cu 1.5…35 mm² Flexible 2x Cu 1.5…16 mm² Stranded 1x Cu 1.5…35 mm² Stranded 2x Cu 1.5…16 mm²
Conventional Free-air Thermal Current (I_{th}):	80 A
Conventional Thermal Current (I_{the}):	80 A
Fourth Pole Position:	Right Side Left Side
Fourth Pole Type:	Switched - Simultaneous Function Switched - Late-break and Early-make
Handle Color:	Black
Handle Length:	57 mm
Handle Type:	Knob
Lock Type:	Padlockable
Maximum Mounted Auxiliary Contacts:	4 NO, 4 NC
Mounting Type:	Base/DIN mounting
Number of Poles:	8P
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_{nc}):	(80 A fuse, 690 V) 50 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 (500 V) 80 A (690 V) 80 A
Rated Operational Current AC-22A (I_e):	(415 V) 80 A (500 V) 80 A (690 V) 80 A
Rated Operational Current AC-23A (I_e):	(415 V) 65 A (500 V) 58 A (690 V) 40 A
Rated Operational Power AC-23A (P_e):	(415 V) 45 kW (500 V) 37 kW (690 V) 37 kW
Rated Operational Voltage:	Main Circuit 800 V
Rated Short-Circuit Making Capacity (I_{cm}):	(690 V) 3.5 kA
Rated Short-time Withstand Current Low Voltage (I_{cw}):	for 1 s 1.5 kA for 0.2 s 2.5 kA
Recommended Screw Driver:	Main Circuit Pozidriv 2

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Special Functions:	No
Standards:	IEC60947-3 UL60947-4-1 CSA C22.2 No.14
Switches Operating Mechanism:	Mechanism on Top of the Switch
Terminal Type:	Screw Terminals
Tightening Torque:	acc. IEC 60947-1 2 N·m
Wire Stripping Length:	Main Circuit 13-16 mm Main Circuit 0.51-0.63 in

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	600 V
Ampere Rating:	80 A
Horsepower Rating UL/CSA:	(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
Wire Size:	1x 16-2 AWG 2x 16-8 AWG
Tightening Torque UL/CSA:	UL 18 N·m

Certificates and Declarations

CCC Certificate:	CCC OT63-100G2
Declaration of Conformity - CE:	1SCC301329D2701
DNV Certificate:	1SCC301347D0201

External Classifications and Standards

Object Classification Code:	Q
ETIM 9:	EC000216 - Switch disconnector (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):	3660468
E-Number (Norway):	4384713
E-Number (Sweden):	3172274

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Categories

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





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