



PRODUCT-DETAILS

OT80G2-4BSN1

OT80G2-4BSN1 SWITCH DISCONNECTOR



General Information	
Extended Product Type:	OT80G2-4BSN1
Product ID:	1SCA162560R1001
EAN:	6417019925950
Catalog Description:	OT80G2-4BSN1 SWITCH DISCONNECTOR
Long Description:	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.
Display Name:	OT80G2-4BSN1

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

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:	1SCC301134M0201
Mechanical Drawings:	OT63_100G2_4BSN1.stp

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:	70 mm
Product Net Height:	91.5 mm
Product Net Depth / Length:	73 mm
Product Net Weight:	0.321 kg

Container Information	
Package Level 1 Units:	box 1 piece
Package Level 1 Width:	76 mm
Package Level 1 Depth / Length:	98 mm
Package Level 1 Height:	77 mm
Package Level 1 Gross Weight:	0.370 kg
Package Level 1 EAN:	6417019925950
Package Level 2 Units:	carton 10 piece

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 ² Solid 1/2x Cu 1.5...6 mm ² Flexible 1x Cu 1.5...35 mm ² Flexible 2x Cu 1.5...16 mm ² Stranded 1x Cu 1.5...35 mm ² Stranded 2x Cu 1.5...16 mm ²
Conventional Free-air Thermal Current (I _{th}):	80 A
Conventional Thermal Current (I _{the}):	80 A
Fourth Pole Position:	Left 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 _{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) 80 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

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 lbf·in

Certificates and Declarations

CCC Certificate: CCC OT63-100G2

Declaration of Conformity - CE: 1SCC301329D2701

DNV Certificate: 1SCC301347D0201

UL Certificate: cULus certificate OT_OTC63-100G2

External Classifications and Standards

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 (Norway): 4384709

Categories

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




ABB
Eco
Solutions™