



 PRODUCT-DETAILS

OT160G3-4BSN2

OT160G3-4BSN2 SWITCH DISCONNECTOR



General Information

Extended Product Type:	OT160G3-4BSN2
Product ID:	1SCA162528R1001
EAN:	6417019925615
Catalog Description:	OT160G3-4BSN2 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:	OT160G3-4BSN2

ABB EcoSolutions

ABB EcoSolutions:	Yes
End Of Life Disassembling Instructions:	1SCC301146M0201
Environmental Information:	1SCC301334D0201
Environmental Product Declaration - EPD:	1SCC301334D0201

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:	1SCC301127M0201
Mechanical Drawings:	OT30_160G3_4BSN2.stp

Environmental

Degree of Protection:	Front IP20
Pollution Degree:	3

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85363090
Country of Origin:	Finland

Dimensions

Product Net Width:	95.5 mm
Product Net Height:	123 mm
Product Net Depth / Length:	74.6 mm
Product Net Weight:	0.521 kg

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	102 mm
Package Level 1 Depth / Length:	129 mm
Package Level 1 Height:	79 mm
Package Level 1 Gross Weight:	0.588 kg
Package Level 1 EAN:	6417019925615
Package Level 2 Units:	carton 10 piece

Package Level 2 Width:	526 mm
Package Level 2 Depth / Length:	280 mm
Package Level 2 Height:	93 mm
Package Level 2 Gross Weight:	5.88 kg

Technical

Color:	Grey
Connecting Capacity Main Circuit:	Flexible with Ferrule 1/2x Cu 2.5...4 mm ² Solid 1/2x Cu 2.5...6 mm ² Flexible 1x Cu 2.5...70 mm ² Flexible 2x Cu 2.5...25 mm ² Stranded 1x Cu 2.5...70 mm ² Stranded 2x Cu 2.5...25 mm ²
Conventional Free-air Thermal Current (I _{th} 160 A):	
Conventional Thermal Current (I _{the}):	160 A
Fourth Pole Position:	Right 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 7.3 W
Rated Conditional Short-Circuit Current (I _{nc}):	(160 A fuse, 400 V) 5 kA (125 A fuse, 415 V) 50 kA (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) 160 A (690 V) 125 A (800 V AC) 80 A
Rated Operational Current AC-22A (I _e):	(415 V) 160 A (690 V) 125 A (800 V) 63 A
Rated Operational Current AC-23A (I _e):	(415 V) 125 A (690 V) 63 A
Rated Operational Power AC-23A (P _e):	(415 V) 55 kW (690 V) 55 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 3.3 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 lbf·in

Certificates and Declarations

CCC Certificate: CCC OT30-160G3

Declaration of Conformity - CE: 1SCC301328D2701

DNV Certificate: 1SCC301347D0201

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 (Finland): 3642581

E-Number (Norway): 4384750

E-Number (Sweden): 3172165

Categories

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

