RS20-US-S0203-0202-014H-001 - Off switch

3069709

https://www.phoenixcontact.com/us/products/3069709

PHŒNIX CONTACT

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Off switch, connection method: Screw connection, number of positions: 4, function: 0 - 1, switching zones: 2, switching program number: S0203, rated continuous current: 20 A, voltage: 690 V

Your advantages

- The compact rotary switch is designed for use in energy technology applications with the available switching programs
- The use of high-quality materials results in a long mechanical and electrical service life
- Comprehensive approvals ensure international use
- High level of safety thanks to non-conductive plastic parts
- The terminal points are designed in such a way that shock protection according to BGV A2 is ensured
- The rotary switch is free from cadmium and compliant with the RoHS directive

Commercial data

Item number	3069709
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BE06
Product key	BE6121
Catalog page	Page 573 (C-3-2015)
GTIN	4046356771559
Weight per piece (including packing)	103.7 g
Weight per piece (excluding packing)	100.3 g
Customs tariff number	85365080
Country of origin	AT

RS20-US-S0203-0202-014H-001 - Off switch

3069709

https://www.phoenixcontact.com/us/products/3069709

Technical data

Product properties

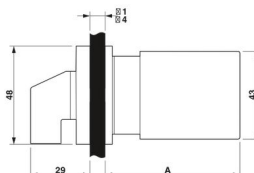|	
Number of positions	4
Number of connections	8
Type	Built-in switch
Rotary switch function	0 - 1
Switching program number	S0203

Electrical properties

Maximum load current	20 A
Rated insulation voltage	690 V (Valid for networks with grounded neutral point, overvoltage category III, degree of pollution 3)
Rated surge voltage	6 kV
Nominal current I_N	20 A

Connection data

Maximum load current	20 A
Tightening torque	0.7 ... 0.8 Nm
Stripping length	8 mm
Conductor cross section rigid	0.5 mm² ... 2.5 mm²
Cross section AWG	20 ... 14 (converted acc. to IEC)
Conductor cross section flexible	0.75 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG]	18 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	2.5 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	1.5 mm² ... 1.5 mm²
2 conductors with same cross section, solid	0.5 mm² ... 2.5 mm²
2 conductors with the same cross-section AWG rigid	20 ... 14 (converted acc. to IEC)
2 conductors with same cross section, flexible	0.75 mm² ... 2.5 mm²
2 conductors with the same cross-section AWG flexible	18 ... 14 (converted acc. to IEC)
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	2.5 mm² ... 2.5 mm²
2 conductors with the same cross section, flexible, with ferrule with plastic sleeve	1.5 mm² ... 1.5 mm²
Nominal voltage	690 V

Dimensions

Dimensional drawing	
Width	48 mm

Height	48 mm
Length	72 mm
Hole diameter	7 mm

Installation dimensions	
Installation depth	43 mm

Material specifications

Color	silver/black
Material	PA
Flammability rating according to UL 94	V0
Components	Free from halogen and cadmium

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-35 °C ... 55 °C (Open, at 100% load, with peaks up to 60°C)
	-35 °C ... 35 °C (Encapsulated, at 100% load, with peaks up to 60°C)

Mounting

Mounting type	direct screw connection

RS20-US-S0203-0202-014H-001 - Off switch

https://www.phoenixcontact.com/us/products/3069709

Drawings

Circuit diagram
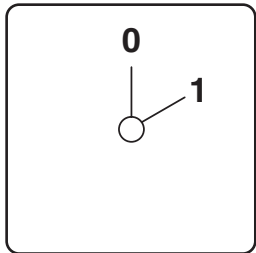
S0203

	2	4	6	8
0				
1	×	×	×	×

Drilling plan/solder pad geometry

Ø8 - Ø15

□36 □48

Ø5 6

RS20-US-S0203-0202-014H-001 - Off switch
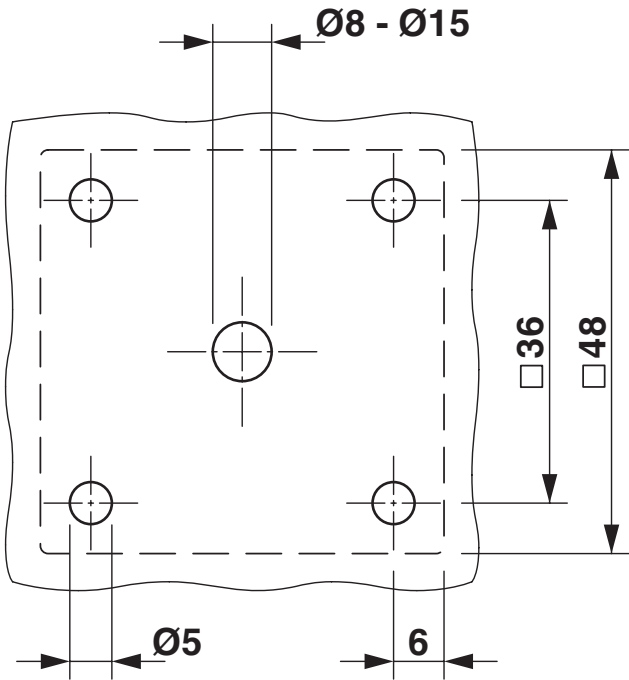
Dimensional drawing
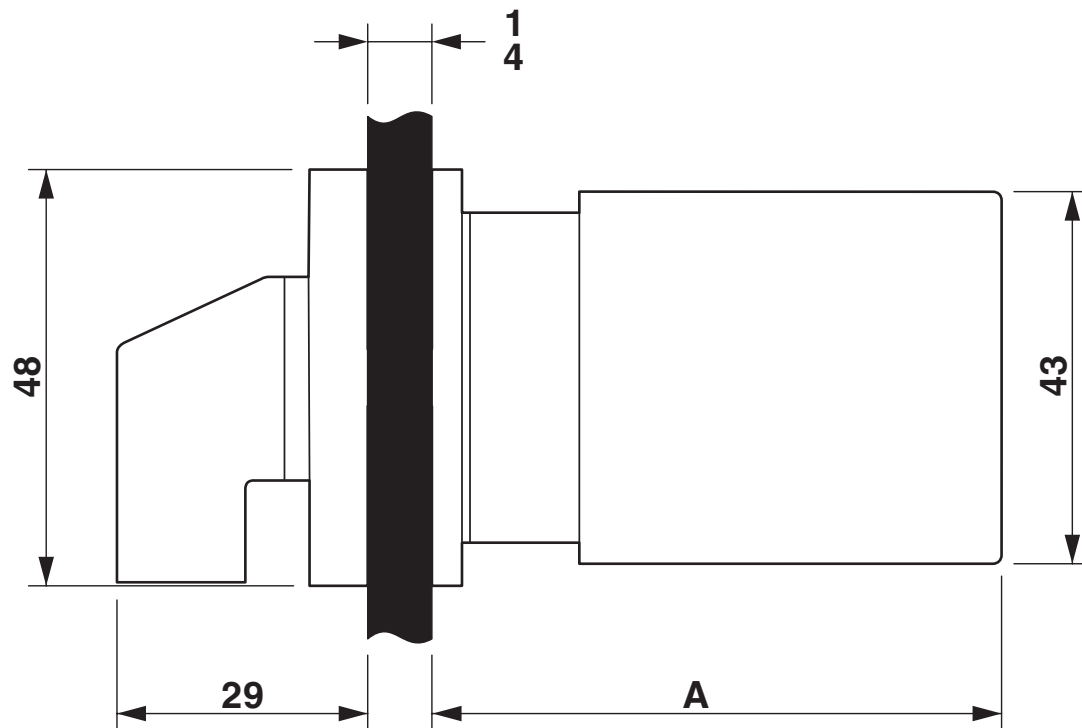
Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

RS20-US-S0203-0202-014H-001 - Off switch

3069709

https://www.phoenixcontact.com/us/products/3069709

Accessories

EML-RS (45,7X45,7)R SR - Label

0803187

https://www.phoenixcontact.com/us/products/0803187

Label, roll, silver/glossy, unmarked, can be marked with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, mounting type: adhered/inserted

EML-RS (45,7X45,7)R - Label

0803387

https://www.phoenixcontact.com/us/products/0803387

Label, roll, white, unmarked, can be marked with: THERMOMARK ROLL, THERMOMARK X, THERMOMARK S1.1, mounting type: adhered/inserted