

Safety switch, RS, 1 N/O, 1 NC, Reed contacts, U<sub>e</sub> 24 V DC, -10 - +55 °C,  
Plastic, 10 m connection cable, S<sub>n</sub> 8 - 19 mm

Part no. RS2-11-C10  
Catalog No. 177301  
Alternate Catalog No. RS2-11-C10  
No.

## Delivery program

Basic function			Position switches Safety position switches
Part group reference			RS
Product range			Non-contacting safety switch
Degree of Protection			IP67, IP69
Ambient temperature		°C	-10 - +55
Description			Reed contacts
<b>Contacts</b>			
N/O = Normally open			1 N/O
N/C = Normally closed			1 NC
Rated voltage	U <sub>e</sub>	V DC	24
Material			Plastic
Connection type			10 m connection cable
Rated switching distance	S <sub>n</sub>	mm	8 - 19

## Technical data

### General

Standards			ISO 13849, ISO 14119, EN 62061
Ambient temperature		°C	-10 - +55
Mechanical shock resistance		g	Semisinusoidal 30 g/11 ms
Vibration			1 mm, 0 - 2000 Hz
relative humidity		%	90 (at 55 °C)
Mounting position			As required
Degree of Protection			IP67, IP69
Terminal capacity			AWG 22
Repetition accuracy (deviation)		%	≤ 10

### Power supply

Rated voltage	U <sub>e</sub>	V DC	24
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### Contacts/switching capacity

Rated operational current	I <sub>e</sub>	A	
DC-13			
24 V	I <sub>e</sub>	A	0.3

### Technical safety parameters:

Values according to EN ISO 13849-1			
Performance level	PL		e
B10 <sub>d</sub>			20000000
Values according to IEC 62061			
			SIL: 3

## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-10
Operating ambient temperature max.		°C	55

## Technical data ETIM 8.0

Sensors (EG000026) / Position switch with separate actuator (EC002592)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Position switch with separate actuator (ecI@ss10.0.1-27-27-06-10 [ACN835011])			
With status indication			No
Suitable for safety functions			Yes
Width sensor		mm	26
Height of sensor		mm	13
Length of sensor		mm	52
Forced opening			No
Number of safety auxiliary contacts			1
Number of contacts as normally closed contact			1
Number of contacts as normally open contact			1
Number of contacts as change-over contact			0
Type of switching contact			Other
Rated operation current Ie at AC-15, 24 V		A	0
Rated operation current Ie at AC-15, 125 V		A	0
Rated operation current Ie at AC-15, 230 V		A	0
Rated operation current Ie at DC-13, 24 V		A	0.3
Rated operation current Ie at DC-13, 125 V		A	0
Rated operation current Ie at DC-13, 230 V		A	0
Construction type housing			Cuboid
Material housing			Plastic
Coating housing			Plastic-coated
Type of interface			None
Type of interface for safety communication			None
Type of electric connection			With cable preassembled
Explosion safety category for gas			None
Explosion safety category for dust			None
Ambient temperature during operating		°C	-10 - 55
Degree of protection (IP)			IP67
Degree of protection (NEMA)			Other