

Safety switch, RS, 1 N/O, 2 NC, Reed contacts, Ue 24 V DC, -10 - +55 °C, Plastic, 10 m connection cable, Sn 8 - 19 mm, R



Part no. RS2R-12-C10
Catalog No. 177305
Alternate Catalog RS2R-12-C10

Delivery program

Description Reed contacts	Don'tory program			
Product range Degree of Protection Ambient temperature Description Contacts N/O = Normally open N/C = Normally closed Rated voltage Ue V DC Rated voltage Ue V DC Connection type Non-contacting safety switch Non-contact	Basic function			
Degree of Protection Ambient temperature Contacts N/O = Normally open N/C = Normally closed Rated voltage Ue V DC Plastic Connection type IP67, IP69 Reed contacts Reed contacts V DC 24 Material Connection type	Part group reference			RS
Ambient temperature Contacts N/O = Normally closed Rated voltage Material Connection type PC -10 - +55 Reed contacts 1 N/O 1 N/O 2 NC 24 Plastic Plastic 10 m connection cable	Product range			Non-contacting safety switch
Description Contacts N/O = Normally open N/C = Normally closed Rated voltage Ue V DC V DC Plastic Connection type Reed contacts Reed contacts Reed contacts Plastic 1 N/O 2 4 10 m connection cable	Degree of Protection			IP67, IP69
Contacts N/O = Normally open N/C = Normally closed Rated voltage Material Connection type N/O = V DC Plastic 1 m connection cable	Ambient temperature		°C	-10 - +55
N/O = Normally open N/C = Normally closed Rated voltage Ue V DC Plastic Connection type 1 N/O 2 NC 24 Plastic 10 m connection cable	Description			Reed contacts
N/C = Normally closed Rated voltage Material Connection type 2 NC 24 Plastic 10 m connection cable	Contacts			
Rated voltage Ue V DC 24 Material Connection type Ue V DC 10 m connection cable	N/O = Normally open			1 N/O
Material Plastic Connection type 10 m connection cable	N/C = Normally closed			2 NC
Connection type 10 m connection cable	Rated voltage	U _e	V DC	24
	Material			Plastic
Rated switching distance S _n mm 8 - 19	Connection type			10 m connection cable
	Rated switching distance	S_n	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 _e	V DC	24
Contacts/switching capacity			

Rated operational current	l _e	Α	
DC-13			
24 V	I _e	Α	0.3

Technical safety parameters:

Values according to EN ISO 13849-1		
Performance level	PL	е
$B10_d$		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 7.0

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

Electric engineering, automation, process control engineering / Binary sensoi (ecl@ss10.0.1-27-27-06-10 [ACN835011])	r technology, safety	-related se	ensor technology / Position switch / Position switch with separate actuator
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			2
Number of contacts as normally closed contact			2
Number of contacts as normally open contact			1
Number of contacts as change-over contact			0
Type of switching contact			Other
Rated operation current le at AC-15, 24 V		Α	0
Rated operation current le at AC-15, 125 V		Α	0
Rated operation current le at AC-15, 230 V		Α	0
Rated operation current le at DC-13, 24 V		Α	0.03
Rated operation current le at DC-13, 125 V		Α	0
Rated operation current le at DC-13, 230 V		Α	0
Construction type housing			Cuboid
Material housing			Plastic
Coating housing			Plastic-coated
Type of interface			Other
Type of interface for safety communication			Other
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)			6

Approvals

Product Standards	CE marking
UL File No.	E166051
UL Category Control No.	NRKH, NRKH7
CSA File No.	UL report applies to both Canada und US
North America Certification	UL listed, certified by UL for use in Canada
Degree of Protection	IEC: IP67, IP69K; UL/CSA Type: -



