

RE13-SA05

RE1

NON-CONTACT SAFETY SWITCHES







Туре	Part no.
RE13-SA05	1062011

Other models and accessories → www.sick.com/RE1



Detailed technical data

Features

System part	Sensor and actuator
Sensor principle	Magnetic
Number of N/O contacts	2
Number of N/C contacts	0
Number of signaling contacts	0
Safe switch on distance S _{ao}	7 mm
Safe switch off distance S _{ar}	20 mm
Active sensor surfaces	1
Actuation directions	3

Safety-related parameters

B _{10d} parameter	2 x 10 ⁷ switching cycles (with small load)
Туре	Type 4 (EN ISO 14119)
Actuator coding level	Low coding level (EN ISO 14119)
Safe state in the event of a fault	The switch has no internal fault detection and is unable to assume a safe state in the event of a fault. Fault detection is performed by the connected safety-related logic unit.

Interfaces

Connection type	Cable
Length of cable	5 m
Cable material	PVC

Electrical data

Type of output	Reed contacts
Switching voltage	≤ 30 V DC
Switching current	≤ 100 mA

Mechanical data

Design	Rectangular
Dimensions (W x H x D)	26 mm x 36 mm x 13 mm
Weight	0.3 kg

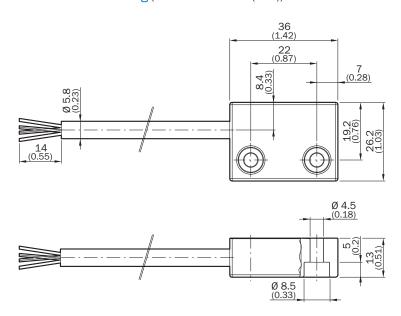
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Ambient data	
Enclosure rating	IP67 (IEC 60529)
Ambient operating temperature	-20 °C +60 °C
Storage temperature	-20 °C +60 °C
Vibration resistance	10 Hz 55 Hz, 1 mm (EN 60947-5-3)
Shock resistance	30 g, 11 ms (EN 60947-5-3)
Classifications	
ECI@ss 5.0	27272402

Glass-fiber reinforced PPS

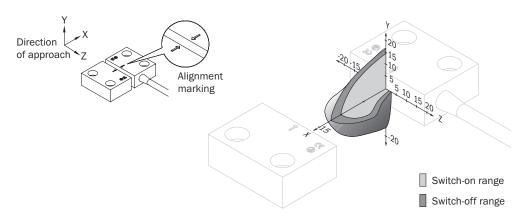
ECI@ss 5.1.4 27272402 ECI@ss 6.0 27272402 ECI@ss 6.2 27272402 ECI@ss 7.0 27272402 ECI@ss 8.0 27272402 **ECI@ss 8.1** 27272402 ECI@ss 9.0 27272402 **ETIM 5.0** EC002544 **ETIM 6.0** EC002544 UNSPSC 16.0901 39122205

Dimensional drawing (Dimensions in mm (inch))

Housing material



Response range



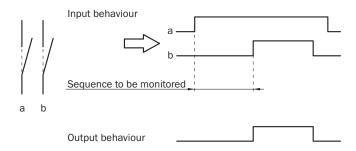
Connection diagram

REx3: sensor connections (plug M8)



1 BN	N/O
2 WH	N/O contact
3 BU	N/O contact
4 BK	N/O contact

Sensor timing



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