

RE300-DA10P

RE300

NON-CONTACT SAFETY SWITCHES



Ordering information



Туре	Part no.
RE300-DA10P	6025079

Other models and accessories → www.sick.com/RE300



Detailed technical data

Features

System part	Sensor with actuator
Sensor principle	Magnetic
Number of N/O contacts	1
Number of N/C contacts	1
Safe switch on distance S _{ao}	5 mm
Safe switch off distance S _{ar}	15 mm
Active sensor surfaces	2
Actuation directions	5

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.

Functions

Safe series connection None, only individual wiring (with diagnostics)	
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Interfaces

Connection type	Cable
Length of cable	10 m
Cable material	PVC

Electrical data

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

Mechanical data

Design	Rectangular
Dimensions (W x H x D)	19 mm x 82 mm x 19 mm
Weight	+ 0.322 kg

Housing material	ABS shape
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Ambient data

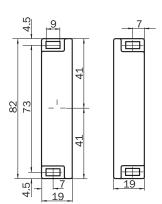
Enclosure rating	IP67
Ambient operating temperature	-10 °C +55 °C
Storage temperature	-25 °C +70 °C
Vibration resistance	10 Hz 55 Hz, 0.35 mm (IEC 60068-2-6)
Shock resistance	30 g (IEC 60068-2-29)

Classifications

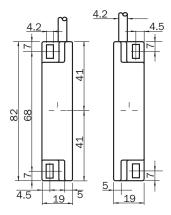
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UNSPSC 16.0901 39122205	UNSPSC 16.0901	39122205

Dimensional drawing (Dimensions in mm (inch))

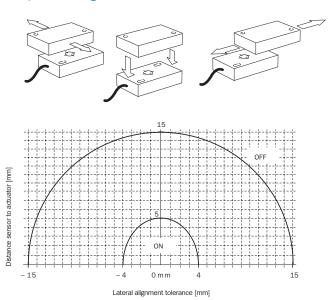
Actuator



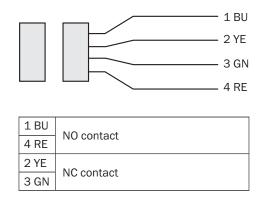
Sensor



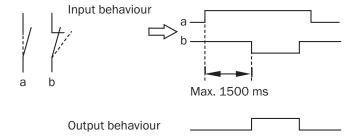
Response range



Pin assignment



Sensor timing



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