

RE300-DA03P

RE300

NON-CONTACT SAFETY SWITCHES



Ordering information



Туре	Part no.
RE300-DA03P	6025080

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	3 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	+ 0.168 kg

Housing material ABS shape

Ambient data

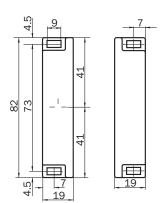
Enclosure rating	IP67
Ambient operating temperature	-10 °C +55 °C
Storage temperature	-25 °C +70 °C
Vibration resistance	10 Hz 55 Hz, 0.35 mm (IEC 60068-2-6)
Shock resistance	30 g (IEC 60068-2-29)

Classifications

	07070400
eCl@ss 5.0	27272402
eCl@ss 5.1.4	27272402
eCl@ss 6.0	27272402
eCl@ss 6.2	27272402
eCl@ss 7.0	27272402
eCl@ss 8.0	27272402
eCl@ss 8.1	27272402
eCl@ss 9.0	27272402
eCl@ss 10.0	27272402
eCl@ss 11.0	27272402
eCl@ss 12.0	27274401
ETIM 5.0	EC002544
ETIM 6.0	EC002544
ETIM 7.0	EC002544
ETIM 8.0	EC002544
UNSPSC 16.0901	39122205

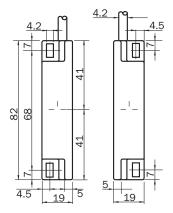
Dimensional drawing (Dimensions in mm (inch))

Actuator

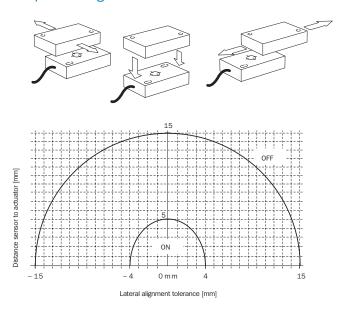


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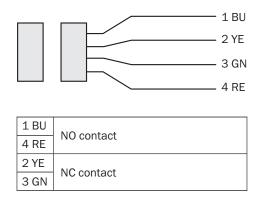
Sensor



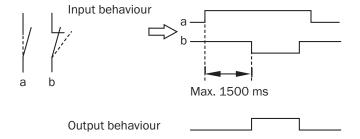
Response range



Pin assignment



Sensor timing



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