



NON-CONTACT SAFETY SWITCHES



RE300-DA03P | RE300

NON-CONTACT SAFETY SWITCHES

Ordering information





Detailed technical data

System partSensor with actuatorSensor principleMagneticN/O contacts1N/C contacts1Safe switch on distance Sao5 mmSafe switch off distance Sao2Actuation directions2Safe switch off distance Sao2Actuation directions5Safe switch off distance Sao2Safe switch off distance Sao2Safe switch off distance Sao2Safe switch off distance Sao2Safe series conserver5Safe series conserverSpe 4 (EN ISO 14119)Safe series consectionsTo wording level (EN ISO 14119)Safe series consectionsNone, only individual wiring (with diagnostics)FurctionsSome Call and the detection is performed by the connected safety-related logic unit.FurctionsSome Call and the detection is performed by the connected safety-related logic unit.FurctionsSome Call and the detection is performed by the connected safety-related logic unit.FurctionsSome Call and the detection is performed by the connected safety-related logic unit.FurctionsSome Call and the detection is performed by the connected safety-related logic unit.FurctionsSome Call and the detection is performed by the connected safety-related logic unit.FurctionsSome Call and the detection is performed by the connected safety-related logic unit.FurctionsSome Call and the detection is performed by the connected safety-related safety related safet	Features	
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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 connections Safe series connections None, only individual wiring (with diagnostics) Interfaces Cable Connection type Cable Length of cable 3 m PVC PVC Electrical data Switching voltage Switching voltage 430 V DC Switching current ≤ 30 V DC Switching current Si Ma Design Rectangular Dimensions (Wx H x D) 19 mm x 82 mm x 19 mm	Туре	Type 4 (EN ISO 14119)
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Safe series connections None, only individual wiring (with diagnostics) Interfaces Interfaces Connection type Cable Length of cable 3 m Cable material PVC Electrical data Reed contacts Switching voltage ≤ 30 V DC Switching current ≤ 30 mA Mechanical data So mA Design Rectangular Dimensions (W x H x D) 19 mm x 82 mm x 19 mm	Safe state in the event of a fault	
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Length of cable Cable material3 mCable materialPVCElectrical dataReed contactsType of outputReed contactsSwitching voltage< 30 V DC	Interfaces	
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Electrical data Type of output Reed contacts Switching voltage ≤ 30 V DC Switching current ≤ 30 mA Mechanical data Rectangular Design Rectangular Dimensions (W x H x D) 19 mm x 82 mm x 19 mm	Length of cable	3 m
Type of outputReed contactsSwitching voltage≤ 30 V DCSwitching current≤ 30 mAMechanical dataRectangularDesignRectangularDimensions (W x H x D)19 mm x 82 mm x 19 mm	Cable material	PVC
Switching voltage< 30 V DCSwitching current< 30 mAMechanical dataRectangularDesignRectangularDimensions (W x H x D)19 mm x 82 mm x 19 mm	Electrical data	
Switching current ≤ 30 mA Mechanical data Design Rectangular Dimensions (W x H x D) 19 mm x 82 mm x 19 mm	Type of output	Reed contacts
Design Rectangular Dimensions (W x H x D) 19 mm x 82 mm x 19 mm	Switching voltage	≤ 30 V DC
Design Rectangular Dimensions (W x H x D) 19 mm x 82 mm x 19 mm	Switching current	≤ 30 mA
Dimensions (W x H x D) 19 mm x 82 mm x 19 mm	Mechanical data	
	Design	Rectangular
Weight + 0.168 kg	Dimensions (W x H x D)	19 mm x 82 mm x 19 mm
	Weight	+ 0.168 kg

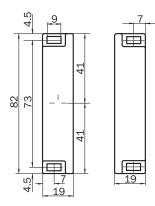
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NON-CONTACT SAFETY SWITCHES

Here to develop 1	
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	
ECLASS 5.0	27272402
ECLASS 5.1.4	27272402
ECLASS 6.0	27272402
ECLASS 6.2	27272402
ECLASS 7.0	27272402
ECLASS 8.0	27272402
ECLASS 8.1	27272402
ECLASS 9.0	27272402
ECLASS 10.0	27272402
ECLASS 11.0	27272402
ECLASS 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))

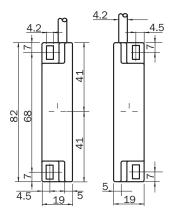
Actuator



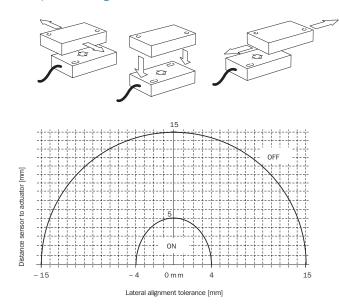
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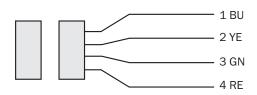
sensor



Response range

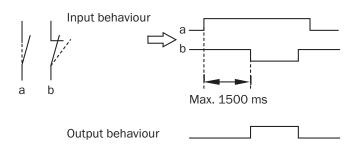


Pinouts



1 BU	NO contact	
4 RE		
2 YE	NC contact	
3 GN	NC contact	

Sensor timing



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