

AXELENT PRODUCT INFORMATION

» NON-CONTACT SWITCH



NON-CONTACT SWITCH, SENSAGUARD II

SensaGuard is an RFID-coded non contact safety switch with two safe PNP outputs for connection to a safety relay and has a PNA signal output for indication. It meets the highest safety requirements, PL e in accordance with EN13849-1 and IEC61508 SIL3, this is still the case even if multiple switches connect in series. The safety switch has an extremely good tolerance (up to 23mm) with warped doors and gates. The new design allows it to be used in most application and overcomes issues that have previously presented a problem. The sensors are also available with an M12 connector for easy installation and replacement. SensaGuard requires no special controller but can be attached to a safety relay such as MSR127. One of the models has the capability to indicate when the receiver is close to the maximum activation distance . In practice this means it has the ability to adjust the sensor before downtime occurs. Another model has built in holding power. An additional model is also available without dual status indicators and hold power. SensaGuard is also supplied with individually coded receivers. This makes it impossible to manipulate the sensor with a loose receiver and thus circumvent security. The safety outputs are high when both the donor and recipient are together (door/gate closed).

SENSAGUARD II




- Connects to standard safety relay
- Great tolerance to warped doors/gates
- Available individually coded
- LED display



» NON-CONTACT SWITCH

TECHNICAL DATA

Art nr.	Beskrivning
B-503	Allen-Bradley, SensaGuard II 25x88 non-contact, incl actuator, M12 connector (440N-Z21SS2H)

Supply voltage	24 V DC +10 %/-15 %
Degree of protection	IP69K
Ambient Temperature	-10 °C till +55 °C
Status indication	Twocoloured LED
Cable Connection	3 or 10 m molded cable alt. M12-connector
Material	Valox DR48
Lifetime	>10 ⁶
Outputs	Secure: Transistor 2 PNP 0,2 A Signal: Transistor 1 PNP 0,2 A
Switch-off	54 ms, add 18 ms per sensor in series connection
Mounting	2xM4 + 2xM4
Humidity	5-95 %
Shock	IEC68-2-27 30g, 11 ms
Vibrations	IEC68-2-6 10-55Hz
Radio frequency	IEC61000-4-3, IEC61000-4-6
Standard	EN954-1, IEC60947-5-3, EN61508
PL	e acc. ENISO13849-1
SIL	3 acc. EN61508
PFH _d	1,12x10 ⁻⁹
Observance of	MD, EMC, LVD
Approved by	  



Activation distance	<23 mm
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