

Tamper-proof, wear-free access security

NON-CONTACT RFID SAFETY SENSORS WITH OPTIONAL LATCHING FORCE

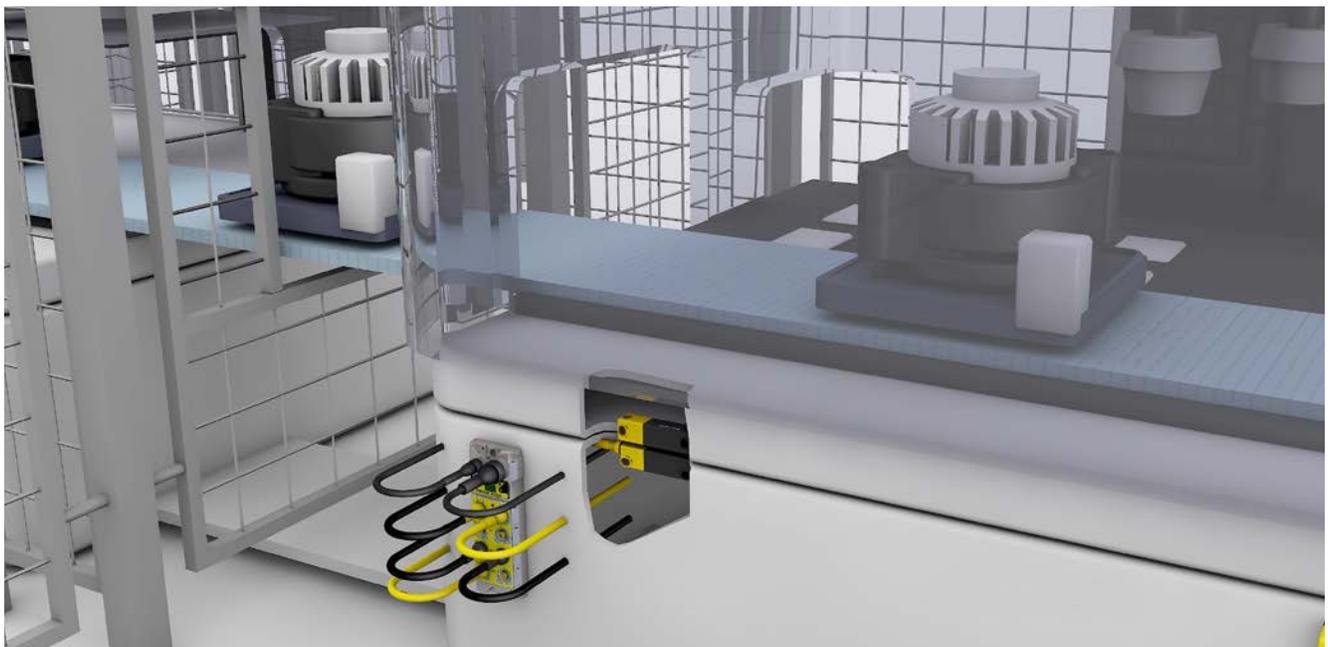
Non-contacting, transponder-coded safety sensors are outstanding for monitoring guard doors/safety flaps. Since the passive RFID transponder is uniquely identified by the sensor, high coding levels and high bypass protection can be implemented.

The BID R03K is ideal especially in environments where high levels of dust or contamination are expected. The generous interrogation range of the sensors makes them insensitive to vibration, a good solution when doors sag or are mis-aligned. This also makes the sensors easier to install. For particularly strong vibrations, a variant with an optional holding magnet is available.

The compact size offers you greater flexibility integrating the device into your application. And it's no problem using the devices in applications up to PLe and SIL 3 thanks to the built-in safety logic and the OSSD output stage.

Features

- Tamper-proof, insensitive to contamination by RFID operating principle available with low or high coding levels
- Increased vibration immunity using optional version with integrated holding magnets (approx. 18 N)
- Large operating distance for simple, time-saving installation
- Standardized M12 (5-pin) connection technology saves cost
- Suitable for direct connection to Balluff safe IO-Link I/O module or other safety controllers



RFID SAFETY SENSORS
WITH OPTIONAL
LATCHING FORCE



Latching force 18 N	BID000E	BID000H	BID000Z
Variants without latching force (ON)	BID000C	BID000F	BID000Y
Operating principal	RFID Safety Sensor	RFID Safety Sensor	RFID Transponder
Coding level	Low	High	
Performance Level/SIL	e/3	e/3	
Safety category	4	4	
Switching outputs	2 × OSSD	2 × OSSD	
Degree of protection IEC 60529	IP69/IP67/IP65	IP69/IP67/IP65	
Ambient temperature	-25...+70 °C	-25...+70 °C	-25...+70 °C
Material housing	Fiber-glass reinforced thermoplastic	Fiber-glass reinforced thermoplastic	Fiber-glass reinforced thermoplastic
Connection	M12 connector, 5-pin, A-coded	M12 connector, 5-pin, A-coded	

ACCESSORIES



	BAM0308
Type	<ul style="list-style-type: none"> ■ 8 plugs to seal the mounting holes ■ 4 washers as spacer to facilitate the cleaning below the mounting surface

CONNECTOR



1 M CABLE	BCC05LU	BCC05NY
2 M CABLE	BCC05LY	BCC05P0
5 M CABLE	BCC05M1	BCC05P2
Type	M12 female straight, 5 pin/ M12 male straight, 4 pin,	M12 female straight, 5 pin/ M12 male right-angle, 4 pin,