

## BID non-contact, magnetically coded safety switch

# RUGGED, PROVEN TECHNOLOGY

Non-contact magnetically coded safety switches are outstanding for monitoring guard doors – especially in environments where contamination or dust is expected. The non-contact operating principle means they are insensitive to mechanical play, for example when doors settle or are imprecisely guided. This makes the safety switches easy to install. With separate processing electronics, the safety switch can be used for applications up to PLe/SIL 3.

The proven magnetic technology with intelligent arrangement of the reed contacts in the switch housing offers high tampering security and reduces the risk of bypassing the safety function. With the optional spacer you can even install the safety switch in a ferromagnetic environment.

### Features

- Insensitive to contamination thanks to non-contact operating principle
- Standardized M12, 5-pin connector saves cost
- Suitable for direct connection to Balluff safety IO-Link I/O module
- Simple connection to any safety controller
- Magnetic operating principle, reed contact



MAGNETICALLY CODED  
SAFETY SWITCH



	BID0007	BID000T
Operating principle	Reed-Safety switches	Magnetocoded actuators
Coding level	low	
Performance Level/SIL	To PL e with a suitable logic unit according to IEC 60947-5-3	
Degree of protection	IP67	
Switching outputs	2 × NC	
Switching voltage	max. 24 V DC	
Switching current	max. 10 mA	
Ambient temperature	-25...+70 °C	-25...+70 °C
Material housing	Fiberglass-reinforced Thermoplastic	Fiberglass-reinforced Thermoplastic
Connection	20 cm cable PVC with M12 connector, 5-pin, A-coded	

ACCESSORIES



	BAM030J
Type	2 Spacer to mount the REED safety switch BID R01K and actuator on ferromagnetic material

CONNECTOR



1 M CABLE	BCC08A4	
2 M CABLE	BCC08A6	BCC05F8
5 M CABLE	BCC08A9	BCC05F9
10 M CABLE	BCC08AC	BCC05FA
Type	M12 female straight/M12 male straight, 5 pin	M12 female straight, 5 pin