



Basic features

Approval/Conformity	CE cULus TÜV Ecolab WEEE
Operating principle	non-contact (RFID)
Principle of operation	Actuator
Scope of delivery	RFID actuator
Series	BID R03K

Environmental conditions

Ambient temperature	-25...70 °C
Storage temperature	-25...85 °C

Material

Housing material	Thermoplastic, glass-fiber reinforced
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Mechanical data

Actuator retention force	18 N
Dimension	91 x 25 x 22 mm
Installation	any
Mounting holes, number	2
Mounting part	Screw M4
Sensing surface	side / front
Tightening torque	2.2...2.5 Nm
Weight	72 g

Remarks

To install the sensors/actuators and lateral approach direction M4x25 mm screws are generally sufficient. For upright installed actuator and/or when using the gasket set 30 mm long screws are recommended.

Axial offset: The long side allows for a maximum height misalignment (x) of sensor and actuator of 8 mm (e.g. mounting tolerance or due to guard door sagging). The axial misalignment (y) is max. ± 18 mm. see drawing: Operating principle

Minimum separation between two sensor systems or another system having the same frequency (125 kHz) ≥ 100 mm for lateral approach.

Safety Sensors
BID R03K-4R3S0
Order Code: BID000Z

BALLUFF

The system is suitable as a door stop for up to 5 kg at 0.25 mm/s.