



**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	0 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	49 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.  $\pm 18$  mm. see drawing: Operating principle

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

Safety Sensors  
**BID R03K-4R300**  
**Order Code: BID000Y**

**BALLUFF**

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