BALLUFF

Simple and good

THE STANDARD PORTFOLIO FOR BES INDUCTIVE SENSORS

From mechanical engineering and electronics manufacturing to intralogistics, assembly and handling technology, woodworking and textile processing, automation is hardly conceivable without inductive sensors. Wherever automation takes place, detecting the presence of metallic objects, operating without contact or wear, and high reliability are in demand. You can now choose from a new entry-level portfolio of BES inductive sensors from Balluff.
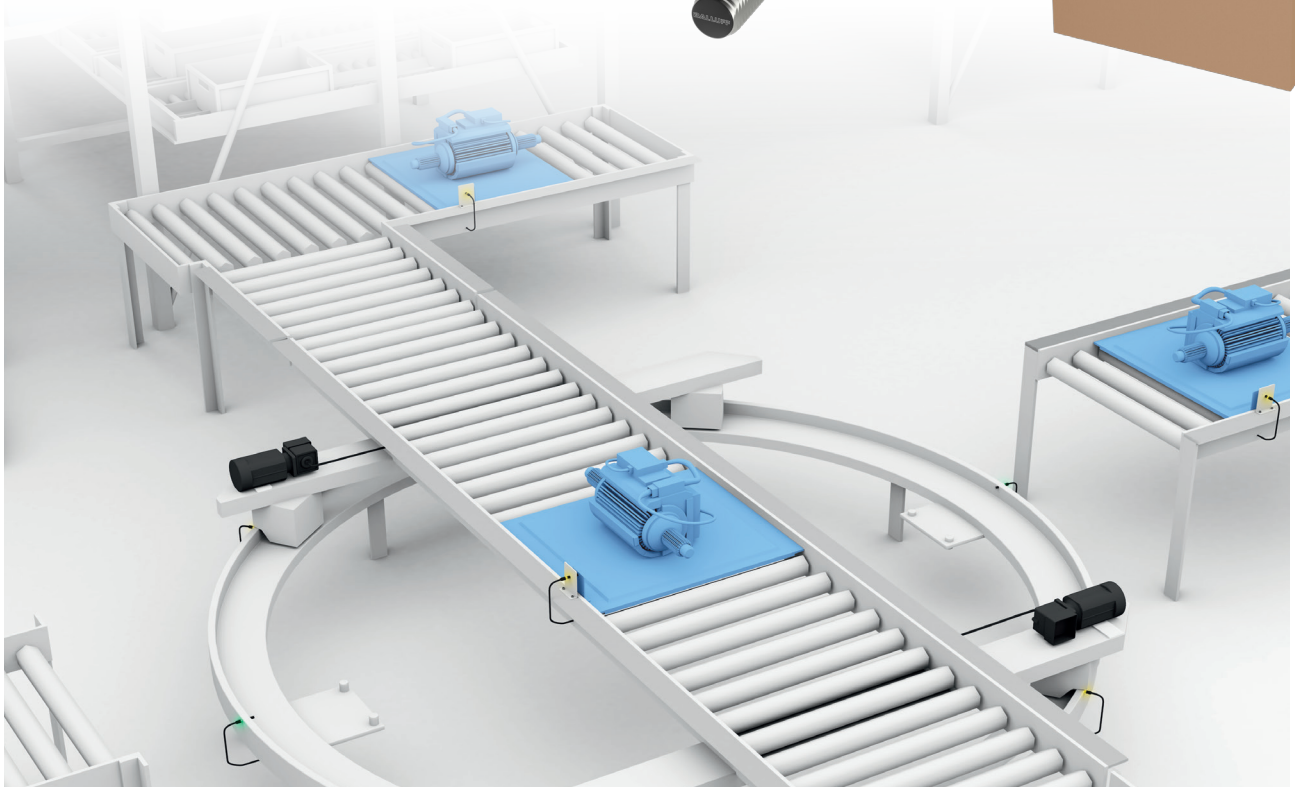
These precise sensors are designed for normal factory environments and offer an excellent price/performance ratio. This makes them particularly suitable

for applications that are not technically demanding, but which are more demanding in terms of price and volume, like in material handling or (intra-)logistics.

After the sensor has been mounted easily with its simple clamp holder, its specially developed plastic backend with LEDs gives you a 360° functional display of the sensor status. In addition to the switching status, it also shows the power supply status and the fault condition, e.g. short circuit. This means you have everything in view to identify errors more quickly, reduce downtimes, and increase system availability.

Features

- Universal use in normal factory environments
- Optimal performance for price point
- Reliable object detection due to double switching distance
- Optimized visual monitoring with operating voltage display and 360° light
- Easy to mount and replace using clamp holder with fixed stop (optional)
- Environmentally friendly multi-piece packaging for higher quantities (from 25 sensors)

Non-contact position sensing in intralogistics

BES INDUCTIVE SENSORS

	BES060N	BES060T	BES060R	BES060U	BES060P	BES060M
Dimension	M8 × 45 mm	M8 × 65 mm	M12 × 45 mm	M12 × 65 mm	M18 × 45 mm	M18 × 65 mm
Installation	Flush		Flush		Flush	
Range	2 mm		4 mm		8 mm	
Switching output	PNP NO		PNP NO		PNP NO	
Switching frequency	600 Hz		350 Hz		300 Hz	
Housing material	Nickel-plated die-cast zinc		Nickel-plated die-cast zinc		Nickel-plated die-cast zinc	
Material sensing surface	PBT		PBT		PBT	
Connection	Connector, M8 male, 3-pin		Connector, M12 male, 3-pin		Connector, M12 male, 3-pin	
Operating voltage U_B	10...30 V DC		10...30 V DC		10...30 V DC	
Ambient temperature	−25...70 °C		−25...70 °C		−25...70 °C	
IP rating	IP67		IP67		IP67	
Approval/conformity	CE, UKCA, cULus		CE, UKCA, cULus		CE, UKCA, cULus	

ACCESSORIES

	BAM045T	BAM045W	BAM045U
Description	Proximity sensor mounts with positive stop	Proximity sensor mounts with positive stop	Proximity sensor mounts with positive stop
Use	For M8 sensors, fastening length 65 mm	For M12 sensors, fastening length 65 mm	For M18 sensors, fastening length 65 mm
Dimension	M14 × 50 mm	M18 × 50 mm	M24 × 50 mm
Housing material	PBT	PBT	PBT

CONNECTIVITY

2 M CABLE	BCC02NU	BCC034A
5 M CABLE	BCC02NW	BCC034C
Connection	M8 female, straight, 3-pin, A-coded	M12 female, straight, 3-pin, A-coded
Cable	PVC gray, drag chain compatible	PVC gray, drag chain compatible