Simple and good

THE STANDARD PORTFOLIO FOR BES INDUCTIVE SENSORS

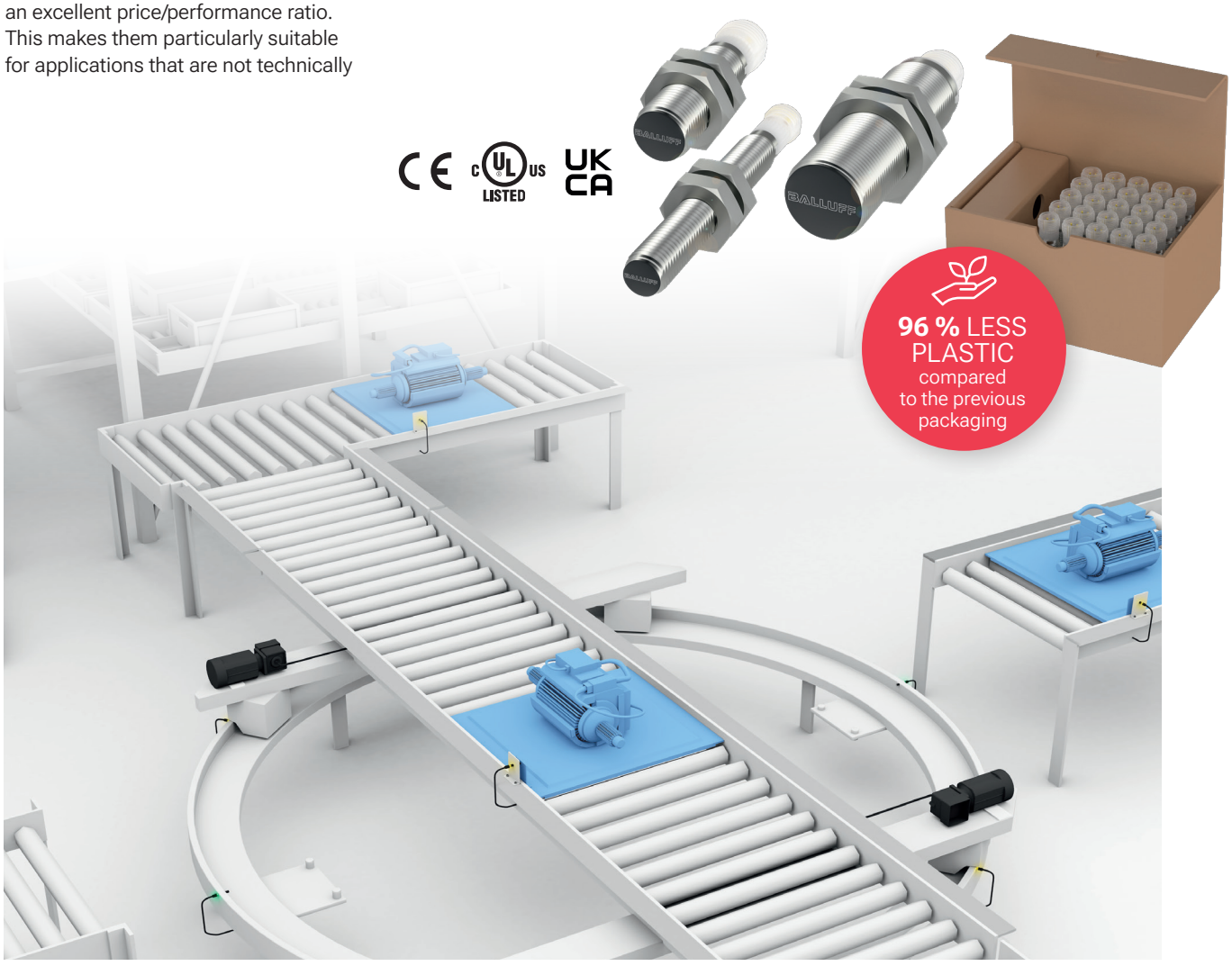
From mechanical engineering and electronics manufacturing to intralogistics, assembly and handling technology, woodworking and textile processing, automation is hardly conceivable without inductive sensors. Wherever automation takes place, detecting the presence of metallic objects, operating without 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

- 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)
- Connector, cable, and pigtail variants with versions for NPN and PNP switching outputs
- Environmentally friendly multi-piece packaging for higher quantities (connector variants only)



Non-contact position sensing in intralogistics

Product line	Order Code	Technical features	Switching Output	Execution
STYLE HOUSING M8X1 	BES060N	Sn = 2 mm, Ø8 x 45 mm	PNP NO	M8 3-Pin
	BES0656		NPN NO	
	BES060T	Sn = 2 mm, Ø8 x 65 mm	PNP NO	
	BES0657		NPN NO	
	BES064R	Sn = 2 mm, Ø8 x 45 mm	PNP NO	2m Cable
	BES064Z		NPN NO	
	BES064P	Sn = 2 mm, Ø8 x 65 mm	PNP NO	
	BES0650		NPN NO	
STYLE HOUSING M12X1 	BES060R	Sn = 4 mm, Ø12 x 45 mm	PNP NO	M12 3-Pin
	BES0658		NPN NO	
	BES060U	Sn = 4 mm, Ø12 x 65 mm	PNP NO	2m Cable
	BES0659		NPN NO	
	BES0655	Sn = 4 mm, Ø12 x 65 mm	PNP NO	Cable 0.8m with M12 3-pin
	BES064T	Sn = 4 mm, Ø12 x 45 mm	PNP NO	2m Cable
	BES0651		NPN NO	
	BES064U	Sn = 4 mm, Ø12 x 65 mm	PNP NO	
	BES0652		NPN NO	
STYLE HOUSING M18X1 	BES060P	Sn = 8 mm, Ø18 x 45 mm	PNP NO	M8 3-Pin
	BES065A		NPN NO	
	BES060M	Sn = 8 mm, Ø18 x 65 mm	PNP NO	
	BES065C		NPN NO	
	BES064W	Sn = 8 mm, Ø18 x 45 mm	PNP NO	2m Cable
	BES0653		NPN NO	
	BES064Y	Sn = 8 mm, Ø18 x 65 mm	PNP NO	
	BES0654		NPN NO	

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, from sensor length 65 mm	For M12 sensors, from sensor length 65 mm	For M18 sensors, from sensor length 65 mm
Dimension	M14 × 50 mm	M18 × 50 mm	M24 × 50 mm
Housing material	PBT	PBT	PBT