

## IB98A329

### INDUCTIVE SENSORS • ENLARGED AMBIENT TEMPERATURE

Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. dampers), counting (e.g. nuts /bolts), speed detection (e.g. for cog wheels), on conveyor systems (e.g. hose feedings) or distance measurements (e.g. press-in checking) of metallic objects.



#### MECHANICAL DATA

Active area material of sensor	Vectra®
Ambient temperature (MAX)	100 °C
Degree of protection (IP)	IP65
Housing coating	Anodised
Housing design	Cuboid
Housing material	Aluminium
Increased ambient temperatures > 80°C	Yes
Mechanical mounting condition for sensor	Flush
Pressure-proof	No
Sensor height	76 mm
Sensor length	20 mm
Sensor width	2.8 mm

#### ELECTRICAL DATA

Cascadable	No
Max. output current	120 mA
No-load current	10 mA
Reverse polarity protection	Yes
Short-circuit-proof	Yes
Suitable for safety functions	No
Supply voltage (MAX)	30 V
Supply voltage (MIN)	10 V
Switching distance	0.9 mm
Type of electrical connection	Lemos connector (mini)
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2.5 V
Voltage type	DC
With monitoring function of downstream devices	No

