

IB80C565

INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

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	PA 6.1 GF15
Ambient temperature (MAX)	70 °C
Ambient temperature (MIN)	-25 °C
Degree of protection (IP)	IP67
Housing design	Cuboid
Housing material	PA 6 (synthetic)
Mechanical mounting condition for sensor	Flush
Pressure-proof	No
Sensor height	80 mm
Sensor length	40 mm
Sensor width	80 mm

ELECTRICAL DATA

Cascadable	No
Hysteresis	15 %
Max. output current	200 mA
No-load current	22 mA
Relative repeat accuracy	5 %
Residual ripple	10 %
Suitable for safety functions	No
Supply voltage (MAX)	30 V
Supply voltage (MIN)	10 V
Switching distance	40 mm
Switching frequency	100 Hz
Type of electrical connection	Clamp
Type of switching function	Normally closed contact/normally open contact
Type of switching output	PNP
Voltage drop	2.4 V
Voltage type	DC
With monitoring function of downstream devices	No

OTHER DATA

Areas inquiry

Yes

DIMENSIONAL DRAWING**INSTALLATION**

Mounting / Installation may only be carried out by a qualified electrician!

DISPOSAL**SAFETY WARNINGS**

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!

Never use these devices in applications where the safety of a person depends on their functionality.