

IN83C545

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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 (synthetic)
Ambient temperature	-25 °C ... 75 °C
Cable length	2 m
Degree of protection (IP)	IP67
Housing design	Cylinder plain
Housing material	Aluminium
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	No
Sensor diameter	100 mm
Sensor length	40 mm

ELECTRICAL DATA

Cascadable	No
Connection to amplifier	Yes
IO-Link compatible	No
Max. output current	80 mA
Setting procedure	Manual adjustment
Suitable for safety functions	No
Supply voltage	10 V ... 35 V
Switching distance	70 mm
Type of electrical connection	Cable
Type of switching function	Amplifier
Type of switching output	Other
With LED display	Yes
With monitoring function of downstream devices	No

OTHER DATA

Areas inquiry	Yes
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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!