

IY630120

Inductive sensors • Ring sensors

sensor inductive, 120mm long, ring 63, 10-30V DC, PNP NO, Connector M12, Plastic ABS, Static



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.

Electrical features

Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Connector M12
Type of switching output	PNP
Rated switching current	200mA
Switching behavior of the output	Static
Operating voltage (DC)	10 - 30V

Mechanical features

Design	Ring-shaped
Cable infeed	axial
Length	120mm
Mechanical mounting condition for sensor	non-flush
Ring diameter	63mm
Active area material of sensor	Plastic (ABS)
Housing material	Plastic (ABS)
Ambient temperature	-25 - 70°C

Optical features

Resolution, static	12mm
--------------------	------

Other features

Feeding technology	Yes
Ambient temperature	-25 - 70°C

Dimensional drawing

