

IN98C794

INDUCTIVE SENSORS • AREA

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	PVC
Ambient temperature	-25 °C ... 75 °C
Cable length	2 m
Degree of protection (IP)	IP68
Housing design	Cuboid
Housing material	PVC / Aluminum
Material of cable sheath	PVC
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	No
Sensor height	150 mm
Sensor length	130 mm
Sensor width	700 mm
Wire cross section	0.5 mm ²

ELECTRICAL DATA

Cascadable	No
Correction factor (aluminum)	0.4
Correction factor (brass)	0.6
Correction factor (copper)	0.45
Correction factor (St37)	1
Correction factor (stainl. steel)	0.65
Hysteresis	10 %
IO-Link compatible	No
Max. output current	400 mA
No-load current	4 mA
Residual ripple	15 %
Reverse polarity protection	Yes
Setting procedure	Manual adjustment
Short-circuit-proof	Yes
Suitable for safety functions	No
Supply voltage	10 V ... 55 V

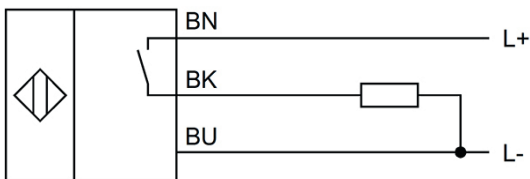
ELECTRICAL DATA

Switching distance	150 mm
Switching frequency	10 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With monitoring function of downstream devices	No

OTHER DATA

Areas inquiry	Yes
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CONNECTION



Colors: BN (brown), BU (blue), BK (black)

Functions: BN = L+, BU = L-, BK = PNP NO

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!