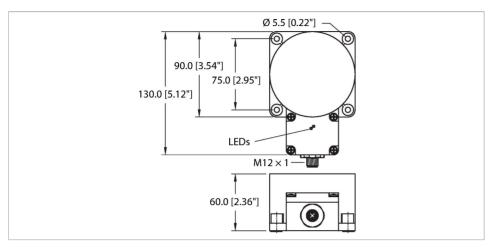


NI100U-K90SR-VP4X2-H1141 Inductive Sensor



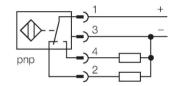
Technical data

NI100U-K90SR-VP4X2-H1141
1625844
100 mm
Non-flush, partially embeddable
≤ (0.81 × Sn) mm
≤ 2 % of full scale
≤ ± 10 %
≤ ± 15 %, ≤ -25 °C v ≥ +70 °C
315 %
-30+85 °C
1065 VDC
≤ 10 % U _{ss}
≤ 200 mA
≤ 15 mA
≤ 0.1 mA
≤ 0.5 kV
yes / Cyclic
≤ 1.8 V
yes / Complete
4-wire, Complementary contact, PNP
0.25 kHz
Rectangular, K90SR

Features

- Rectangular, height 60 mm
- Plastic, PBT-GF30-V0
- Factor 1 for all metals
- Increased switching distance
- Protection class IP68
- Resistant to magnetic fields
- Extended temperature range
- Auto-compensation protects against predamping
- One-sided fitting possible
- DC 4-wire, 10...65 VDC
- Changeover contact, PNP output
- M12 x 1 male connector

Wiring diagram



Functional principle

Inductive sensors detect metal objects contactless and wear-free. Due to the patented multi-coil system, *uprox**+ sensors have distinct advantages over conventional sensors. They excel in largest switching distances, maximum flexibility and operational reliability as well as efficient standardization.



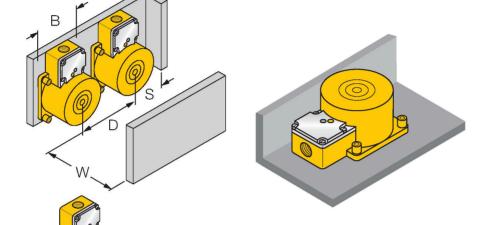
Technical data

Housing material	Plastic, PBT-GF30-V0
Active area material	PBT-GF30-V0
Electrical connection	Connector, M12 × 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP68
MTTF	874 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	LED, Green
Switching state	LED, Yellow



Mounting instructions

Mounting instructions/Description



Distance D	270 mm
Distance W	300 mm
Distance S	1 x B
Distance G	600 mm
Distance A	100 mm
Distance C	200 mm
Width active area B	90 mm

1-side flush mounting

1-side mounting:

Sr = 70 mm

