REER

Your future's safe!



PI-Safe

Inductive safety sensors

Short form

PI-Safe

proximity inductive safety sensors



A complete range of sensors for positioning detection ...

- Fail-safe inductive sensor
- Certification to EN 60947-5-3
- Ensuring operator and machine safety
- No special actuator required
- Connection to a Safety PLC or Safety Controller
- Protection class: III



Key characteristics

- DC voltage type and PNP Electrical design
- M12 4-pole connector
- IP65 and IP67 protection grade
- -25...70 °C ambient temperature
- Operation: green LED; Signal: yellow LED

πS










πS Proximity inductive safety sensors

Guaranteed safety



PI-Safe safety sensors **increase the uptime and safety of installations** and can be connected to approved evaluation units without cross-fault monitoring.

PI-Safe can generally be installed in all those applications that require a **non-contact and safe detection of a metal object**.

Applications include reliable positioning on rotary indexing tables and machine tools, safe triggering of slow travel or switching off in end positions for presses, gantry robots and actuators.

Wear-free operation **guarantees low maintenance costs**.

Faults such as coil break or coil short circuit are diagnosed switching the sensor into the defined safe state. Even a cross fault between the supply voltage and one of the two outputs does not affect the safety function of the sensor.

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according to
EN 60947-5-3
IEC 61508
ISO 13849

An extensive range of positioning sensors

PI M12 NF

M12 x 1 / L = 70 mm
Non-flush mounted



P/N 1293000

Characteristics

Enable zone
0.5...4 mm
Operating voltage DC
19.2...30 V
Current rating
100 mA
Materials
Body: stainless steel;
Head: PBT
Classification
SIL2 / PLd

PI M18 NF

M18 x 1 / L = 70,5 mm
Non-flush mounted



P/N 1293001

Characteristics

Enable zone
1...8 mm
Operating voltage DC
19.2...30 V
Current rating
100 mA
Materials
Body: stainless steel;
Head: PBT
Classification
SIL2 / PLd

PI M18 F

M18 x 1 / L = 70 mm
Flush mounted



P/N 1293002

Characteristics

Enable zone
1...5 mm
Operating voltage DC
19.2...30 V
Current rating
100 mA
Materials
Body: brass white bronze coated; Head: PBT
Classification
SIL2 / PLd

Accessories

Angle brackets



For mounting cylindrical sensors
Easy, quick and inexpensive fixing
Robust stainless steel design for use in harsh industrial environments
For free-standing mounting

Mounting clamps



End stop for defined installation position
Safe fixing of the sensor with click-fit mounting
For mounting cylindrical sensors
Easy, quick and inexpensive fixing
Reliable mounting on a surface by means of two screws

PI M18 F R

M18 x 1 / L = 86.5 mm
Flush mounted



P/N 1293003

Characteristics

Enable zone
> 10 mm

Operating voltage DC
10...30 V

Current rating
50 mA

Materials
Body: brass white bronze coated; Head: PBT

Classification
SIL2 / PLd

PI M30 NF

M30 x 1.5 / L = 70 mm
Non-flush mounted



P/N 1293004

Characteristics

Enable zone
1...15 mm

Operating voltage DC
19.2...30 V

Current rating
100 mA

Materials
Body: stainless steel; Head: PBT

Classification
SIL2 / PLd

PI M30 F

M30 x 1.5 / L = 70 mm
Flush mounted



P/N 1293005

Characteristics

Enable zone
1...10 mm

Operating voltage DC
19.2...30 V

Current rating
100 mA

Materials
Body: brass white bronze coated; Head: PBT

Classification
SIL2 / PLd



M12 Angle bracket
P/N 1293100



M12 Mounting clamp
P/N 1293103



M18 Angle bracket
P/N 1293101



M18 Mounting clamp
P/N 1293104

PI M30 NF K

M30 x 1.5 / L = 80 mm
Non-flush mounted



IP69K

P/N 1293006

Characteristics

Enable zone
6...12 mm
Operating voltage DC
19.2...30 V
Current rating
100 mA
Materials
Body: stainless steel;
Head: PBT
Classification
SIL3 / PLe

PI SQ F-NF

40 x 40 x 66 mm
Flush/Non-flush mounted



P/N 1293007

Characteristics

Enable zone
10...15 mm
Operating voltage DC
19.2...30 V
Materials
Body: diecast zinc;
Head: PPE
Classification
SIL3 / PLe

PI SQ NF

40 x 40 x 66 mm
Non-flush mounted



P/N 1293008

Characteristics

Enable zone
4...20 mm
Operating voltage DC
19.2...30 V
Materials
Body: diecast zinc;
Head: PPE
Classification
SIL3 / PLe



M30 Angle bracket

P/N 1293102



M30 Mounting clamp

P/N 1293105

ReeR

Your future's safe!

More than 60 years of quality and innovation

Founded in Turin, Italy in 1959, ReeR distinguished itself for its strong commitment to innovation and technology.

A steady growth throughout the years allowed ReeR to become a point of reference in the safety automation industry at a worldwide level.

The Safety Division is in fact today a world leader in the development and manufacturing of safety optoelectronic sensors and controllers.

ReeR is ISO 9001, ISO 14001 and ISO 45001 certified.

Made in Italy
since 1959

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