

 **REER**

Your future's safe!



PI-Safe

inductive safety sensors

short form

A complete range of sensors for positioning detection ...



Certification to EN 60947-5-3 ●
Ensuring operator and machine safety ●

● No special actuator required
● Connection to a Safety PLC or Safety Controller

PI-Safe
proximity inductive safety sensors

πS

www.reersafety.com

πS

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.

proximity
inductive
safety
sensors



TUVNORD

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

Proximity inductive safety sensors

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

Key characteristics

Product designation

Fail-safe inductive sensor

Output

2 x OSSD

Voltage type and Electrical design

DC PNP

Connection

M12 4-pole connector

Protection grade

IP 65 and IP 67

Ambient temperature

-25...70 °C

Display

Operation: green LED; Signal: yellow LED

Protection class

III

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

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



M12 Angle bracket

P/N 1293100

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



M12 Mounting clamp

P/N 1293103

PI-Safe

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



M18 Angle bracket

P/N 1293101



M30 Angle bracket

P/N 1293102



M18 Mounting clamp

P/N 1293104



M30 Mounting clamp

P/N 1293105



Your future's safe!

More than 50 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 BS OHSAS 18001 certified.



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