ReeR

Your future's safe!

SIXTY
sessanta
ReeR 1959

PI-Safe

inductive safety sensors

short form

A complete range of sensors for positioning detection ...

Certification to EN 60947-5-3 ● ● No special actuator required

Ensuring operator and machine safety ● ● Connection to a Safety PLC or Safety Controller

PI-Safe
proximity inductive safety sensors

πS

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

CE c(UL)us LISTED TÜV NORD

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

www.reersafety.com

Proximity inductive safety sensors

An extensive range of positioning sensors

PI M12 NF

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

PI M18 NF

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

PI M18 F

M18 x 1 / L = 70 mm
Flush mounted

P/N 1293000

P/N 1293001

P/N 1293002

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

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

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
IP65 and IP67

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

ReeR

Your future's safe!

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

SIXTY
sessanta
ReeR 1959

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