



INDUCTIVE PROXIMITY SENSOR

Approved for explosive atmospheres:

ATEX and IECEX

Zones 21 & 22 for dust

Zones 1 & 2 for gas

Application:

- Detects the presence or absence of metal target
- Used for sensing the speed of machinery, guard gate positions and other similar applications

Features:

- 24-240V AC/DC or 0-30VDC power supply
- 2 and 4 wire versions available
- IP 66 rated
- M18 x 1.0 ISO threaded nylon body
- Blue LED showing output state
- ≤6mm detection range

Part numbers:

- **P1003V10AI** – Normally closed output
- **P1004V10AI** – Normally open output
- **P1003V34AI** – Normally open or closed selectable output. Opto-isolated transistor output

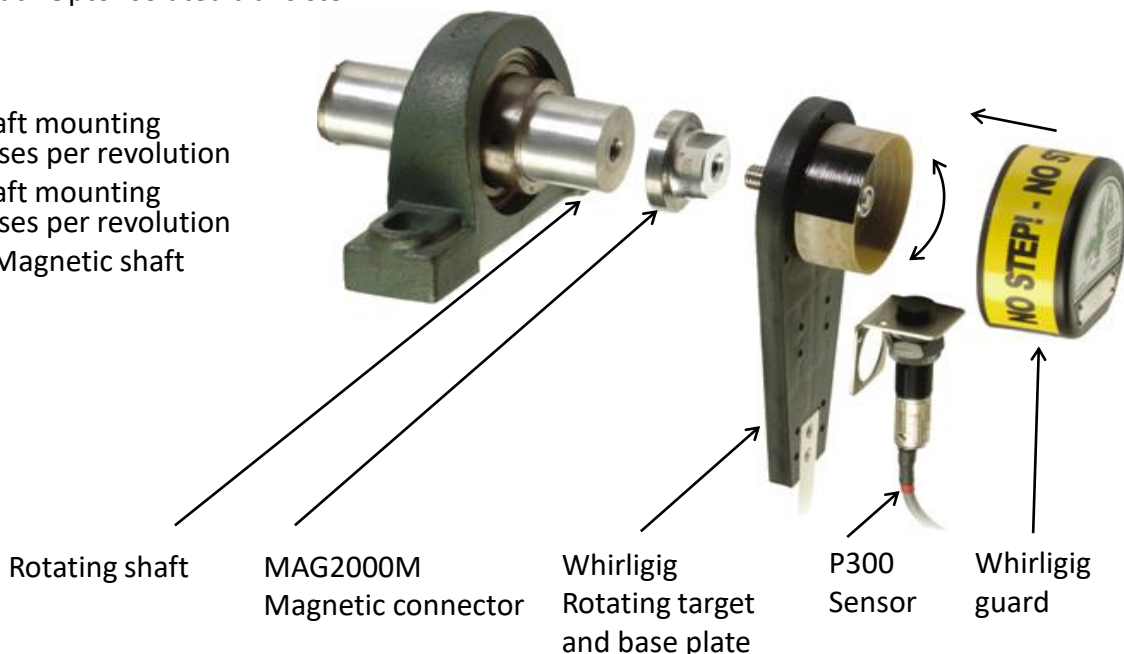
Options:

- **WG4A-BR** – Shaft mounting assembly, 4 pulses per revolution
- **WG2A-BR** – Shaft mounting assembly, 2 pulses per revolution
- **MAG2000M** – Magnetic shaft connector



P100 Inductive Sensor

Shown with optional Whirligig and Mag-Con





TECHNICAL SPECIFICATIONS

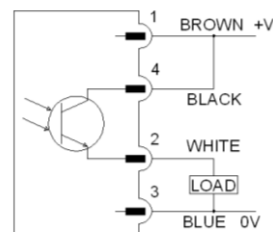
Model	P1003V10AI	P1004V10AI	P1003V34AI
Power supply	24-240 VAC/VDC	24-240 VAC/VDC	10-30 VDC
Output	Normally closed N/C	Normally open N/O	Either N/C or N/O
Number of wires	2	2	4
Voltage drop	5.5V max	5.5V max	Nil
Detection range	≤ 6 mm	≤ 6 mm	≤ 6 mm
Maximum detection frequency	3,600 PPM / 60 Hz	3,600 PPM / 60 Hz	3,600 PPM / 60 Hz
Maximum current	50 mA	50 mA	100 mA
Operating temperature range	-15°C to +50°C	-15°C to +50°C	-15°C to +50°C
Certificates and approvals	ATEX and IECEx Zone 21 + Zone 1	ATEX and IECEx Zone 21 + Zone 1	ATEX and IECEx Zone 21 + Zone 1
Protection	IP66	IP66	IP66

OUTPUT MODES EXPLAINED

P1003V10AI

P1004V10AI

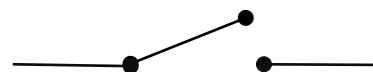
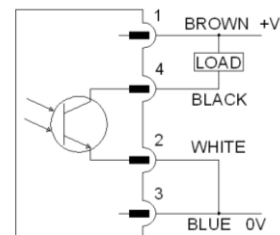
P1003V34AI



Normally closed

Normally closed

Normally open



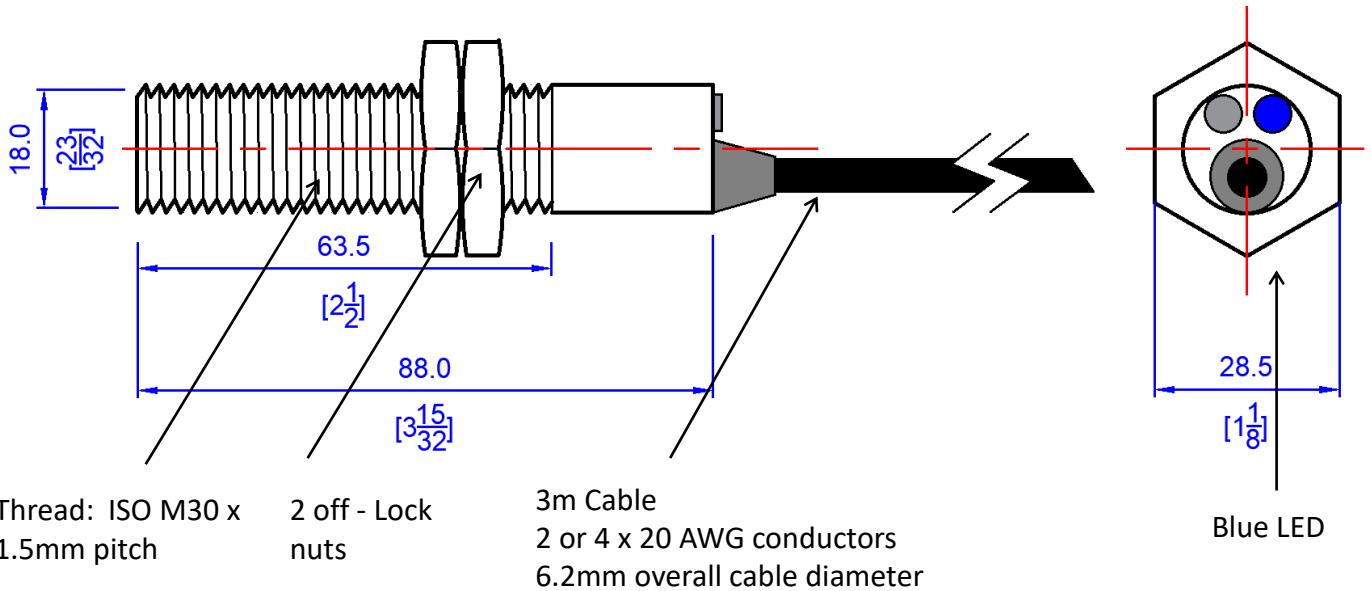
Normally open

Opens when target is seen

Closes when target is seen



DIMENSIONS



Note: All dimensions are given in mm and inches