



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

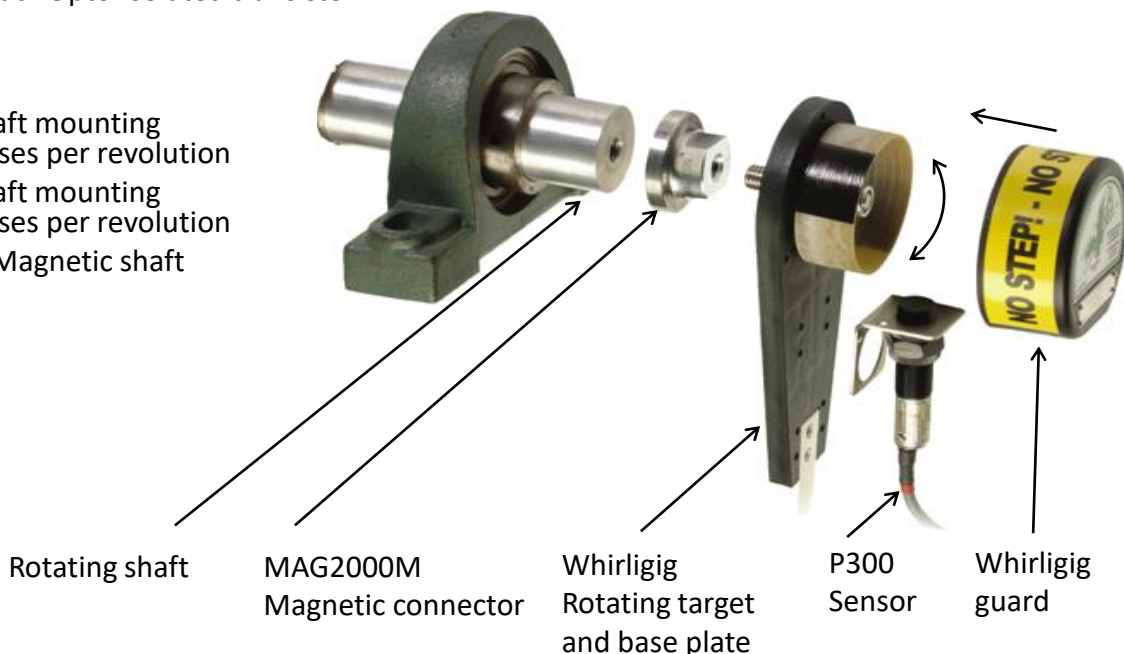
Options:

- **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

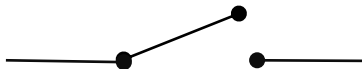
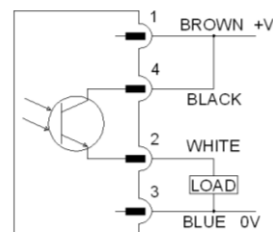
Model	P1003V10AI	P1004V10AI	P1003V34AI
Power supply	24-240 VAC/VDC	24-240 VAC/VDC	10-30 VDC
Output	Normally closed N/C	Normally open N/O	Either N/C or N/O
Number of wires	2	2	4
Voltage drop	5.5V max	5.5V max	Nil
Detection range	≤ 6 mm	≤ 6 mm	≤ 6 mm
Maximum detection frequency	3,600 PPM / 60 Hz	3,600 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

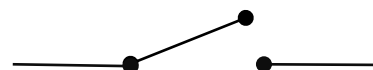
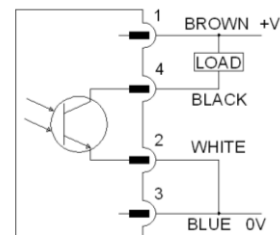
P1003V34AI



Normally closed

Normally closed

Normally open



Normally open

Opens when target is seen

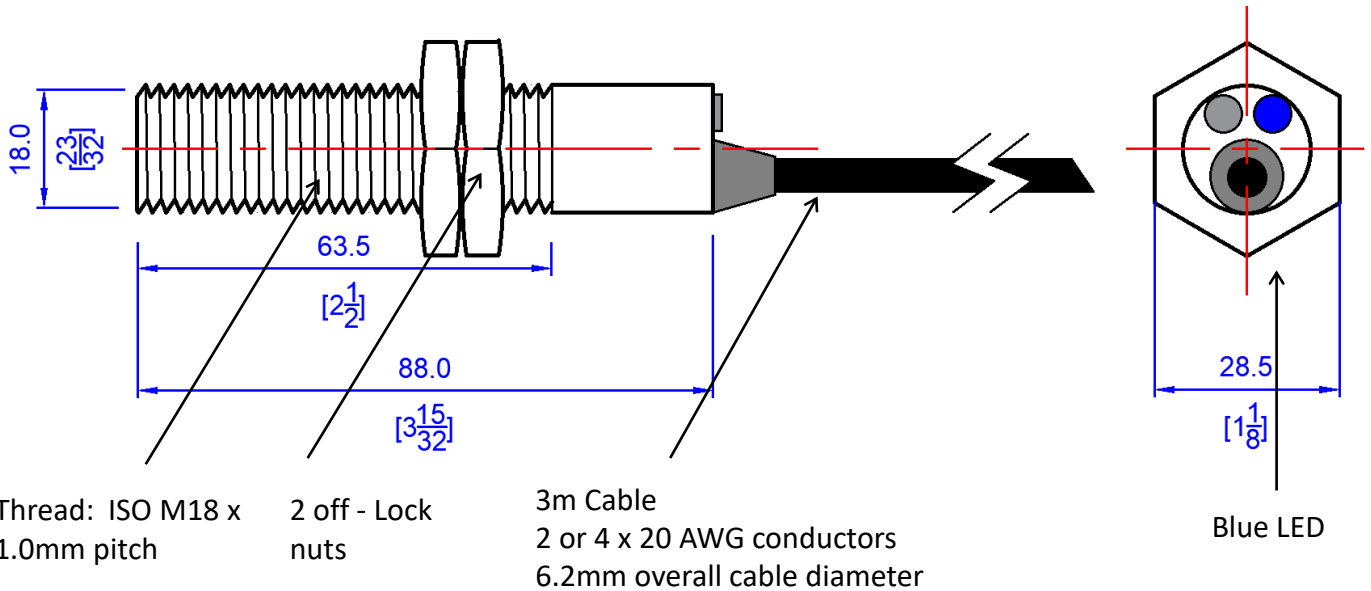
Closes when target is seen

Please refer to instruction manual for correct installation. Information subject to change or correction. August 2019

Detailed specification, wiring diagrams and installation/operating instructions available upon request.



DIMENSIONS



Note: All dimensions are given in mm and inches