

Operating Magnets

Powerful operating magnets for use with magnetic proximity switches

Environments: Mining • Tunnelling • Conveyor control

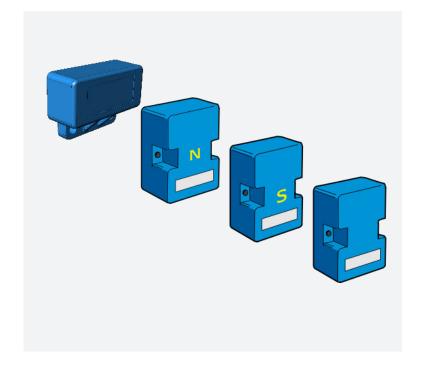
Features

- Versatile works over large operating distances
- Compatible with the Trolex range of magnetic proximity switches
- Allows positioning, counting, proving, etc. on machines and haulages
- Robust fully encapsulated, environmental proof construction
- Robust resistant to shock and vibration
- Dust and waterproof to IP67



Benefits

- Easy to use no power supply necessary
- Can be used with existing Intrinsically Safe circuits
- Quick and simple installation requires only two screws
- Maintenance free for low lifecycle cost
- No moving parts







Functional Overview

The TX1080/1/2 are Operating Magnets for use with Magnetic Proximity Switches such as the Trolex TX1004 and TX1013.

Robust rugged housings and full encapsulation protect the Operating Magnets from their environment to IP67. No moving parts. Maintenance free for low lifecycle cost.

Simple installation requires only two screws, thus reducing installation times to a minimum. No power supply required.

Can be used with existing Intrinsically Safe circuits. Compatible with the Trolex range of Magnetic Proximity Switches.



Technical Information

TX1080

Housing material:	Glass reinforced polycarbonate
Operating distance:	60 mm nominal
Nett weight:	0.7 Kg

TX1081

Housing material:	Glass reinforced polycarbonate
Operating distance:	60 mm nominal
Nett weight:	0.7 Kg

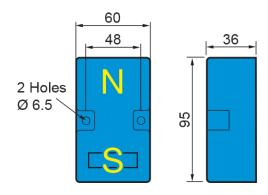
TX1082

Housing material:	Reinforced polymer
Operating distance:	40 mm nominal
Nett weight:	0.3 Kg

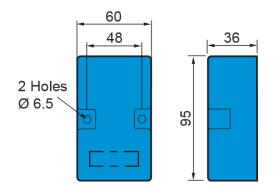




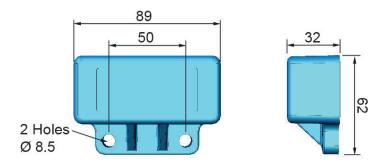
Dimensions TX1080



TX1081



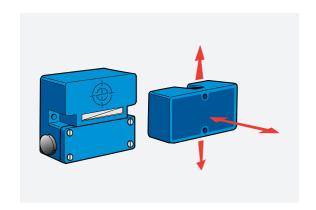
TX1082





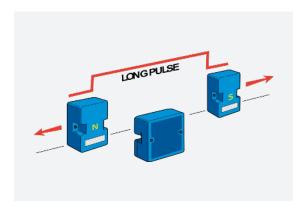
Typical Applications TX1080

TX1080 Operating Magnet and TX1004 Proximity Switch operating in basic On/Off mode.

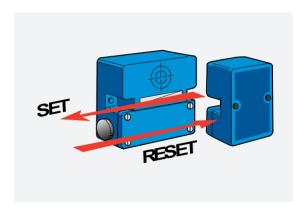


TX1081.N and TX1080.S

TX1081.N and TX1081.S Operating Magnets, and TX1013 Proximity Switch operating with extended pulse length for both directions.

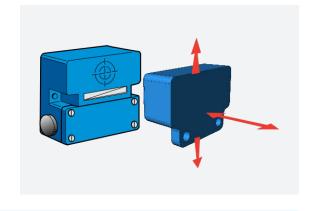


TX1081.S Operating Magnet and TX1013 Proximity Switch operating in directional mode.



TX1082

TX1082 and Operating Magnet and TX1004 Proximity Switch operating in basic On/Off mode.







Order Reference

TX1080 Operating Magnet dual pole
TX1081.N Operating Magnet North pole
TX1081.S Operating Magnet South pole

TX1082 Operating Magnet

If you have more product enquiries, contact the Trolex Sales Team:

+44 (0)161 483 1435 sales@trolex.com

Certifications

Considered to be simple apparatus under the ATEX scheme, in accordance with EN 60079-11 claue 5.7.

Precautions

Powerful magnets can injure the human body and cause damage to equipment. Ensure magnets are handled and used in accordance with the appropriate Health and Safety guidelines for the geographic area in which they are located.

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