



## MZN

Cylinder sensors for IMI Norgren cylinders

**SICK**  
Sensor Intelligence.



Technical data overview

|                                    |                     |
|------------------------------------|---------------------|
| <b>Output function</b>             | NO                  |
| <b>Cylinder types with adapter</b> | Round body cylinder |
| <b>Housing length</b>              | 29.5 mm             |



Product description

The MZN cylinder sensor reliably detects the position of the magnetic piston in pneumatic cylinders and drives from IMI Norgren. Due to its special design, the MZN cylinder sensor is particularly well-suited for mounting in the integrated switch slot of pneumatic cylinders and drives from IMI Norgren. The MZN cylinder sensor is simply screwed into the switch slot and can be quickly and securely fastened to the pneumatic cylinder. The MZN cylinder sensor sinks completely into the slot.

At a glance

- Special housing shape for the switch slot of pneumatic cylinders and actuators from IMI Norgren
- The MZN cylinder sensor sinks completely into the switch slot

Your benefits

- Optimal fit in switch slot of cylinders with magnetic piston from IMI Norgren, thanks to special housing shape
- Quick and easy mounting of the MZN cylinder sensor. The MZN sensors can be screwed into the switch slot from above
- Space-saving mounting, as the MZN sinks completely into the switch slot
- The rugged mounting holds the MZN cylinder sensor in the desired position and withstands even high shock and vibration loads

Fields of application

- End position detection in pneumatic cylinders

## Ordering information

Other models and accessories → [www.sick.com/MZN](http://www.sick.com/MZN)

- **Connection type:** Cable, 3-wire, wire end ferrule
- **Output function:** NO
- **Overrun distance, typ.:** 9 mm
- **Enclosure rating:** IP67
- **Supply voltage:** 10 V DC ... 30 V DC
- **Electrical wiring:** DC 3-wire

| Switching output | Type          | Part no. |
|------------------|---------------|----------|
| NPN              | MZN-03VNS-KW0 | 1117579  |
| PNP              | MZN-03VPS-KW0 | 1117578  |
|                  | MZN-03VPS-KWB | 1117580  |
|                  | MZN-03VPS-KWD | 1117575  |

- **Connection type:** Cable with connector M8, 3-pin
- **Switching output:** PNP
- **Output function:** NO

| Overrun distance, typ. | Enclosure rating | Supply voltage      | Electrical wiring | Type          | Part no. |
|------------------------|------------------|---------------------|-------------------|---------------|----------|
| 9 mm                   | IP67             | 10 V DC ... 30 V DC | DC 3-wire         | MZN-03VPS-KP0 | 1117577  |

- **Connection type:** Cable with connector M12, 3-pin, with knurled nuts
- **Switching output:** PNP
- **Output function:** NO

| Overrun distance, typ. | Enclosure rating | Supply voltage      | Electrical wiring | Type          | Part no. |
|------------------------|------------------|---------------------|-------------------|---------------|----------|
| 9 mm                   | IP67             | 10 V DC ... 30 V DC | DC 3-wire         | MZN-03VPS-KQ0 | 1117581  |

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)