



MZU2

The weld-field immune cylinder sensor

SICK
Sensor Intelligence.



Product description

The MZU2 magnetic cylinder sensor is specially designed for detecting the piston position of pneumatic cylinders in welding applications. The MZU2's rugged die-cast metal housing withstands harsh welding conditions. The MZU2 is immune to all electrical welding processes, including AC, DC, and medium frequency.

At a glance

- Immune to all welding electrical fields: AC, DC, medium frequency (1,000 Hz)
- Output state is maintained during the welding process; sensor is switchable again once welding is completed
- 2 LEDs: yellow status indicator, green status indicator
- Flexible mounting options for various cylinder types due to mounting adapters: tie-rod and integrated profile cylinders, T-slot and short-stroke cylinders

Your benefits

- Reliable cylinder position detection in welding environments that increases uptime
- Increased sensor life reduces maintenance costs due to tough metal housing with optional weld slag-immune Teflon™ coating
- Special weld-field immunity (WFI) sensor is immune to all electrical welding processes (AC, DC or medium frequency), which increases sensor life and reduces false signals

Ordering information

Other models and accessories → www.sick.com/MZU2

- **Connection type:** male connector M12, 4-pin
- **Switching output:** PNP
- **Output function:** NO
- **Electrical wiring:** DC 3-wire
- **Communication interface:** -

Type	Part no.
MZU2-03VPS-DCM	1017450
MZU2-03VPS-TCM	1017451

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