



MQ

Magnetic proximity sensors in a rectangular housing

MAGNETIC PROXIMITY SENSORS

SICK
Sensor Intelligence.



Technical data overview

Housing	Rectangular
Housing	10 mm x 28 mm x 16 mm 10.3 mm x 28 mm x 16 mm
Sensing range S_n	≤ 60 mm
Magnetic field sensitivity, min.	≤ 1 mT
Housing material	VISTAL® / Polyamid (depending on type)
Enclosure rating	IP67
Connection	Connector M8, 3-pin / Cable, 3-wire / Cable with connector M8, 3-pin, with knurled nuts / Cable with connector M12, 3-pin / Cable with connector M8, 3-pin (depending on type)

Product description

The MQ magnetic proximity sensors reliably detect permanent magnets through non-magnetic materials such as stainless steel, aluminum, plastic or wood. The MQ sensors feature a square, compact plastic housing that makes them easy to install. These sensors are resistant to dust, heat and vibration, making them ideal for use in harsh environments.

At a glance

- Type: 10 mm x 28 mm x 16 mm
- Sensing ranges: up to 60 mm
- Electrical configuration: DC, 3-wire
- Enclosure rating: IP 67
- Temperature range: -25 °C to +75 °C
- Tough VISTAL™ housing
- Reliable detection of permanent magnets through non-ferromagnetic materials such as stainless steel, aluminum, plastic or wood
- Solves high-temperature applications by installing the permanent magnet in the high-temperature area and the sensor behind an insulated area

Your benefits

- Short-circuit protection (pulsed)
- Large sensing ranges ensure reliable switching, even with target position tolerances
- Low-cost sensor solution saves installation time and costs
- Compact plastic housing makes machine integration easy

Ordering information

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

- **Sensing range S_n :** ≤ 60 mm
- **Housing material:** plastic
- **Output function:** NO

Cuboid shape (W x H x D)	Switching output	Connection type	Type	Part no.
10.3 mm x 28 mm x 16 mm	PNP	Cable with connector M8, 3-pin	MQ10-60APS-KP0	1017405
10 mm x 28 mm x 16 mm	NPN	Cable, 3-wire, 2 m ¹⁾	MQ10-60ANSKU0	1078007
		Connector M8, 3-pin	MQ10-60ANSKT0	1078009
	PNP	Cable with connector M12, 3-pin, 0.4 m ^{1) 2)}	MQ10-60APSKQDS03	1094760
		Cable with connector M12, 3-pin, 1 m ¹⁾	MQ10-60APSKQDS02	1078005
		Cable with connector M8, 3-pin, with knurled nuts, 0.21 m ¹⁾	MQ10-60APSKRDS04	1117741
		Cable, 3-wire, 2 m ¹⁾	MQ10-60APSKU0	1078006
		Connector M8, 3-pin	MQ10-60APSKT0	1078008

¹⁾ Do not bend below 0 °C.

²⁾ Stainless steel connector.

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