



MM

Magnetic proximity sensors in common M8, M12, and M18 cylindrical housing

MAGNETIC PROXIMITY SENSORS

SICK
Sensor Intelligence.



Product description

MM magnetic proximity sensors provide long sensing ranges that can reliably detect magnetic objects. Magnetic proximity sensors are resistant to dust, heat, vibrations and other harsh environments. The MM magnetic sensors are enclosed in a cylindrical housing and are available in sizes MM08, MM12 and MM18.

At a glance

- Types: M8 to M18
- Sensing range: up to 120 mm
- Electrical configuration: DC 3-wire
- Enclosure rating: IP 67
- Temperature range: -25 °C to +75 °C
- Nickel-plated brass housing; plastic sensing face
- 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

- Non-contact operation eliminates interference from dirt, dust and vibrations, increasing sensor life and reducing maintenance costs
- Space-saving installation due to small design
- Large operating ranges with reliable switching increase throughput
- Non-contact, universal detection through several substances, including plastic containers and pipes protective PTFE walls and non-magnetic metal walls

Ordering information

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

Sensing range S_n	Switching output	Connection type	Housing material	Output function	Type	Part no.
≤ 45 mm	PNP	Male connector M12, 4-pin	Metal	NO	MM12-45APS-ZCKS01	1050342
≤ 60 mm	NPN	Cable, 3-wire, 2 m	Metal	NC	MM12-60ANO-ZU0	1016927
				NO	MM08-60ANS-ZU0	7900265
					MM08-60ANS-ZUK	1040066

Sensing range S _n	Switching output	Connection type	Housing material	Output function	Type	Part no.			
					MM12-60ANS-ZUO	7900269			
			Metal	NO	MM12-60ANS-ZUK	1040026			
		Connector M8, 3-pin	Metal	NO	MM08-60ANS-ZTO	7900267			
					MM08-60ANS-ZTK	1040068			
		Male connector M12, 4-pin	Metal	NO	MM12-60ANS-ZCO	7900271			
					MM12-60ANS-ZCK	1040071			
		PNP	Cable, 3-wire, 2 m	Metal	NC	MM12-60APO-ZUO	1017462		
						MM12-60APO-ZUK	1040065		
					NO	MM08-60APS-ZUO	7900264		
						MM08-60APS-ZUK	1040027		
	MM12-60APS-ZUO				7900268				
	MM12-60APS-ZUK				1040069				
	Cable, 3-wire, 3 m		Metal	NC	MM08-60APO-ZUA	1042425			
					MM12-60APS-ZUA	1042365			
	Connector M8, 3-pin		Metal	NC	MM08-60APO-ZTO	1069742			
					NO	MM08-60APS-ZTO	7900266		
	MM08-60APS-ZTK	1040067							
	Cable with AMP male connector, 3-pin, 0.2 m	Metal	NO	MM08-60APS-ZUDS06	1117037				
	Male connector M12, 4-pin	Metal	NO	MM12-60APS-ZCO	7900270				
				MM12-60APS-ZCK	1040070				
≤ 70 mm	NPN	Cable, 3-wire, 2 m	Metal	NO	MM18-70ANS-ZUK	1040085			
					Male connector M12, 4-pin	MM18-70ANS-ZCO	7900275		
						MM18-70ANS-ZCK	1040073		
	PNP	Cable, 3-wire, 2 m	Metal	NO	MM18-70APS-ZUO	7900272			
					MM18-70APS-ZUK	1040029			
					Male connector M12, 4-pin	Metal	NC	MM18-70APO-ZCO	1047934
								MM18-70APO-ZCK	1047255
								MM18-70APO-ZCKS01	1049025
					MM18-70APO-ZCKS03	1072234			
		NO	MM18-70APS-ZCO	7900274					
			MM18-70APS-ZCK	1040072					
		Stainless steel	NC	MM18-70APO-VCK	1099419				
				NO	MM18-70APS-VCK	1050765			
		≤ 90 mm	NPN	Cable, 3-wire, 2 m	Metal	NO	MM12-90ANS-ZUO	1051013	
PNP	Cable, 3-wire, 2 m		Metal	NO	MM12-90APS-ZUO	1029951			
	Male connector M12, 4-pin		Metal	NO	MM12-90APS-ZCO	1029950			

Sensing range S_n	Switching output	Connection type	Housing material	Output function	Type	Part no.
≤ 120 mm	PNP	Cable, 3-wire, 2 m	Metal	NO	MM18-00APS-ZU0	1029952
					MM18-00APS-ZUK	1077120
		Cable, 3-wire, 3 m	Metal	NO	MM18-00APS-ZUA	1087221
		Male connector M12, 4-pin	Metal	NO	MM18-00APS-ZC0	1029861
					MM18-00APS-ZCK	1076085

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