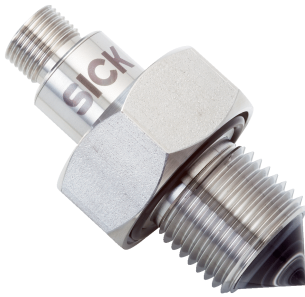


MHF15

Simple, compact, and rugged

LEVEL SENSORS

SICK
Sensor Intelligence.



Technical data overview

Measurement principle	Optical level switch
Detection principle	Contact
Medium	Fluids
Measurement	Switch
Process temperature	-25 °C ... +55 °C
Process pressure	-0.5 bar ... 16 bar
Output signal	1 x PNP / 1 x NPN (depending on type)



Product description

The MHF15 is a compact optical level limit switch which is incredibly easy to commission. The sensor is based on SICK's energetic photoelectric proximity sensor technology, which has been tested and optimized over a number of decades. Thanks to this, the sensor design is simple, rugged, and reliable. The use of high-quality materials such as stainless steel 1.4404 and polysulfone, combined with the housing in IP69K enclosure rating, provides reliability not only on the process side, but also in situations where there are adverse ambient conditions outside the tank. Fast, hassle-free commissioning does not require medium calibration, reducing both commissioning costs and maintenance. The optical technology makes the MHF15 particularly suitable for use with water-based media.

At a glance

- Robust level monitoring in liquid without additional requirements
- Small, compact design; no medium calibration required
- Process temperature up to 55 °C, process pressure up to 16 bar
- IP 67 and IP 69K enclosure rating
- Process connection G ½
- Highly medium resistant due to stainless steel housing 1.4404, polysulfone apex
- Output available as PNP or NPN transistor
- FDA-compliant, UL

Your benefits

- Small, compact sensor ideal for difficult installation conditions with limited space
- Quick commissioning without medium calibration saves time and money
- No moving mechanical parts reduce maintenance and eliminate the need to recalibrate, even after long periods of use.
-

Fields of application

- Level monitoring in aqueous and water-based liquids
- Dry running protection for pumps
- Level control in cleaning system flushing units

Type code

Other models and accessories → www.sick.com/MHF15

Type code

Switch output

P	1 x PNP transistor output, normally closed
N	1 x NPN transistor output, normally closed
H	1 x PNP transistor output, normally open
T	1 x NPN transistor output, normally open

MHF15 -	2	1	N	G	1		S	M
---------	---	---	---	---	---	--	---	---

Ordering information

Other models and accessories → www.sick.com/MHF15

- **Process connection:** G ½
- **Wetted parts:** stainless steel 316L, polysulfon, FPM
- **Connection type:** M12 round connector x 1, 4-pin
- **Process temperature:** -25 °C ... +55 °C
- **Enclosure rating:** IP67: EN 60529, IP69K: ISO 20653

Output signal	Switching mode	Type	Part no.
1 x NPN	NO	MHF15-21NG1TSM	1052274
	Normally closed	MHF15-21NG1NSM	1052272
1 x PNP	NO	MHF15-21NG1HSM	1052273
	Normally closed	MHF15-21NG1PSM	1052237

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