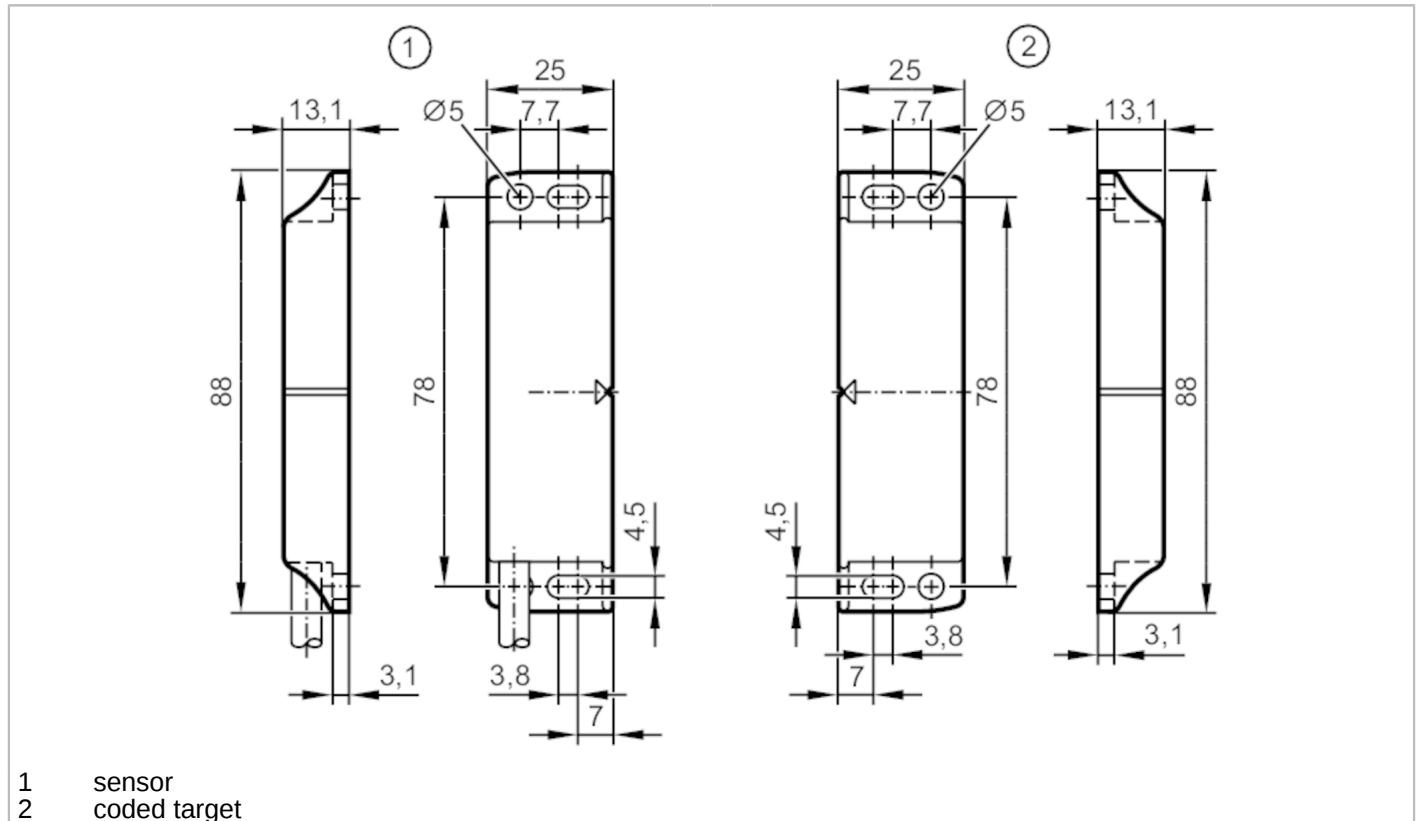


# MN501S



## Magnetically coded sensor

MN44008-AKOG/6m/-H



### Product characteristics

Output function		2 x normally open; (potential-free)
Sensing range	[mm]	8; (with defined actuator)
Housing		rectangular
Dimensions	[mm]	88 x 13.1 x 25

### Application

Design		coded target
Type of operation		permanent operation
Application		for safety-related applications

### Electrical data

Operating voltage	[V]	24 DC
Rated insulation voltage	[V]	60
Protection class		III
Reverse polarity protection		no
Internal resistance (R <sub>I</sub> )	[Ω]	10; (1 W)

# MN501S



## Magnetically coded sensor

MN44008-AKOG/6m/-H

Outputs		
Output function		2 x normally open; (potential-free)
Permanent current rating of switching output DC [mA]		50
Switching frequency DC [Hz]		150
Output data		Interface type A
Short-circuit proof		no
Max. capacitive load CL_max [nF]		20
Detection zone		
Sensing range [mm]		8; (with defined actuator)
Safe switching-off distance s(ar) [mm]		20
Response times		
Response time to safety request [ms]		10
Max. fall time [ms]		0.1
Max. make time incl. bounce [ms]		0.6
Operating conditions		
Applications		class C to EN 60654-1 weatherproof application
Ambient temperature [°C]		-25...80
Ambient temperature [°C]		10...40
Note on ambient temperature		operational life ≤ 175200 h
Max. relative air humidity [%]		briefly: 5...95 %; permanent: 5...70 %
Air pressure [kPa]		80...106
Max. height above sea level [m]		2000
Salt spray		no
Protection		IP 67; IP 69K; (protected cable laying)
Tests / approvals		
EMC	IEC 60947-5-1	
Shock resistance	EN 60068-2-27	30 g (11 ms)
Vibration resistance	IEC 60068-2-6	10 g (10...55 Hz)
Safety classification		
Mission time TM [h]		≤ 175200
Mission time TM (additional indication)		20 years
B10D		20.000.000; (without load; at max. load DC 12, 24 V, 50 mA: 400.000)
Mechanical data		
Weight [g]		449
Housing		rectangular
Mounting		non-flush mountable
Dimensions [mm]		88 x 13.1 x 25
Materials		housing: PA; mounting plate: stainless steel (1.4301 / 304)
Tightening torque [Nm]		0.8...2
Accessories		
Items supplied		coded target

# MN501S



## Magnetically coded sensor

MN44008-AKOG/6m/-H

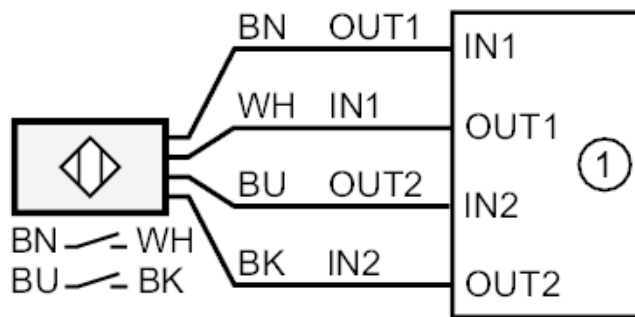
### Remarks

Remarks	In connection with a G150xS / AC4x2S type evaluation unit, it is possible to reach up to PL e (ISO 13849-1) or SIL cl 3 (IEC 62061)
Pack quantity	1 pcs.

### Electrical connection

Cable: 6 m, PVC, Ø 5 mm; 4 x 0.25 mm<sup>2</sup>

### Connection



1: safety-related logic unit

Core colours :

- BK = black
- BN = brown
- BU = blue
- WH = white