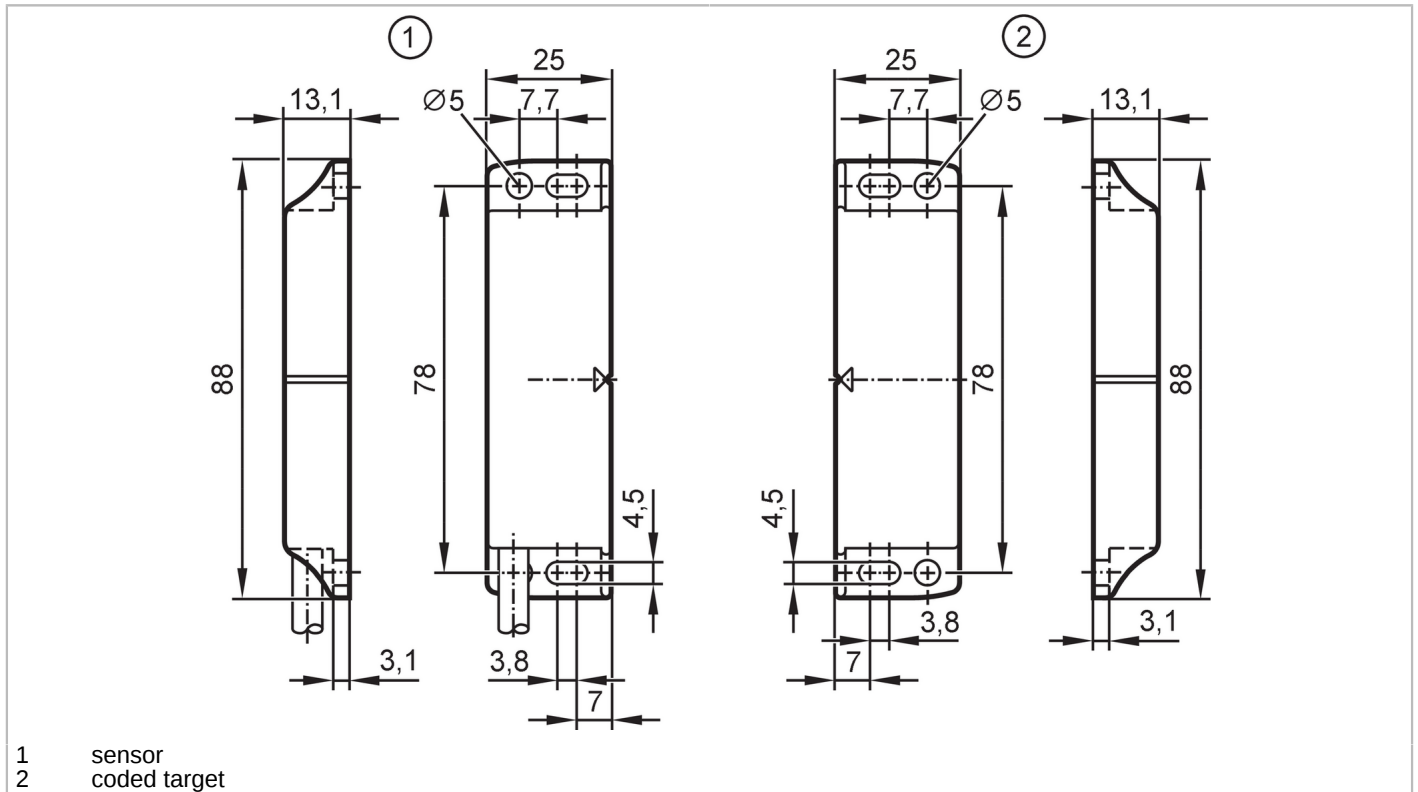


MN505S



Magnetically coded sensor

MN46008-AKOG/6m/H



| Product characteristics | |
|--|--|
| Output function | 2 x normally open, 1 x normally closed; (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 (Ri) [Ω] | 10; (1 W) |
| Outputs | |
| Output function | 2 x normally open, 1 x normally closed; (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 |

MN505S



Magnetically coded sensor

MN46008-AKOG/6m/-H

| | |
|---|---|
| Max. capacitive load CL_max [nF] | 20 |
| Monitoring range | |
| Sensing range [mm] | 8; (with defined actuator) |
| Safe switching-off distance s(ar) [mm] | 20 |
| Reaction 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 |
| Note on ambient temperature | operational life ≤ 87600 h |
| 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] | 458 |
| Housing | rectangular |
| Mounting | non-flush mountable |
| Dimensions [mm] | 88 x 13.1 x 25 |
| Material | housing: PA; fixing plate: stainless steel (1.4301 / 304) |
| Tightening torque [Nm] | 0.8...2 |
| Accessories | |
| Items supplied | coded target |
| 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. |

MN505S



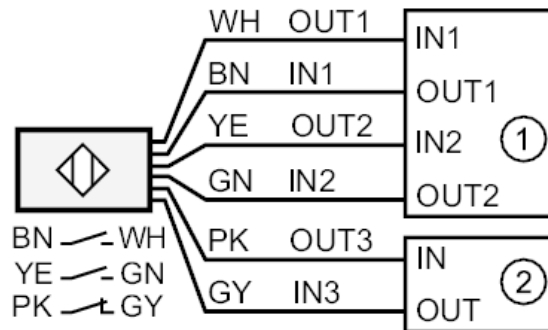
Magnetically coded sensor

MN46008-AKOG/6m/-H

Electrical connection

Cable: 6 m, PVC, Ø 5 mm; 6 x 0.25 mm²

Connection



- 1: Safety-related logic unit
2: Programmable Logic Controller (PLC)
Core colors :
- BN = brown
GN = green
GY = grey
PK = pink
WH = white
YE = yellow