

Inductive Sensor with Increased Switching Distance

I30H022

weproTec

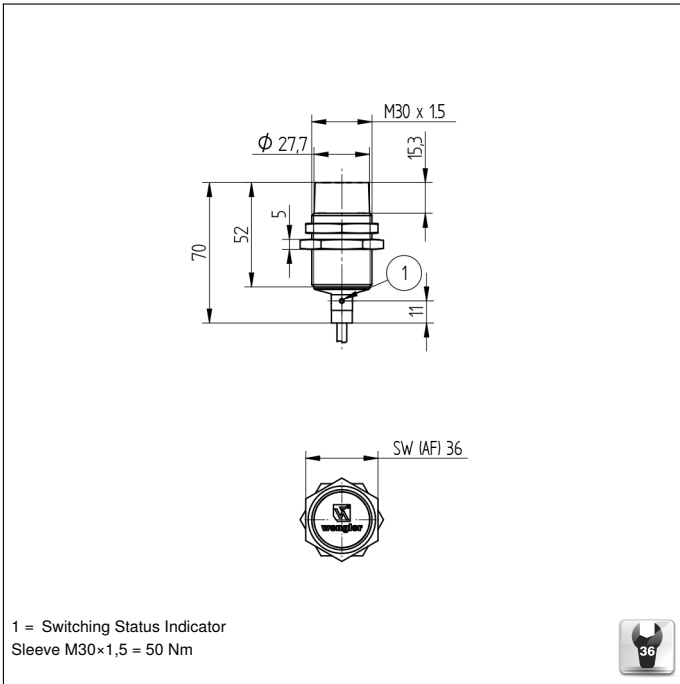


- Increased switching distance
- Innovative ASIC circuit technology
- Integrated error display
- Minimal mounting clearance thanks to wenglor weproTec

Inductive Sensors with increased switching distances are distinguished by rugged design, easy installation and reliable measured values. The large range makes additional types of sensor superfluous because they can also be used to implement special applications. In addition to error-free operation of several sensors in a very small space, the new generation also provides the possibility of detecting system errors before it's too late thanks to ASIC und wenglor weproTec.

| Inductive Data | |
|--|-------------------------------------|
| Switching Distance | 35 mm |
| Correction Factors Stainless Steel V2A/CuZn/Al | 1,00/0,42/0,39 |
| Mounting | non-flush |
| Mounting A/B/C/D in mm | 55/82/105/35 |
| Mounting B1 in mm | 0...80 |
| Switching Hysteresis | < 10 % |
| Electrical Data | |
| Supply Voltage | 10...30 V DC |
| Current Consumption (U _b = 24 V) | < 12 mA |
| Switching Frequency | 140 Hz |
| Temperature Drift | < 10 % |
| Temperature Range | -40...80 °C |
| Switching Output Voltage Drop | < 1 V |
| Switching Output/Switching Current | 150 mA |
| Residual Current Switching Output | < 100 µA |
| Short Circuit Protection | yes |
| Reverse Polarity and Overload Protection | yes |
| Protection Class | III |
| Mechanical Data | |
| Housing Material | CuZn, nickel-plated |
| Degree of Protection | IP67 |
| Connection | Cable, 3-wire, 2 m |
| Cable Jacket Material | PVC |
| Safety-relevant Data | |
| MTTFd (EN ISO 13849-1) | 3706,54 a |
| Function | |
| Error Indicator | yes |
| NPN NO | <input checked="" type="checkbox"/> |
| Connection Diagram No. | 402 |
| Suitable Mounting Technology No. | 130 |

* Temperature range with permanently installed cable, bending radius: > 40 mm



Mounting

