Inductive Sensor
with IO-Link

I12H020

Part Number

weproTec

- ● **Adjustable switching distance**
- ● **Easy sensor configuration using the IO-Link interface**
- ● **Innovative ASIC circuit technology**
- ● **Integrated error display and error output**
- ● **Minimal mounting clearance thanks to wenglor weproTec**
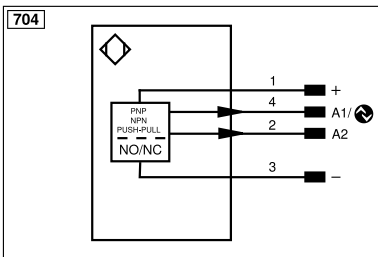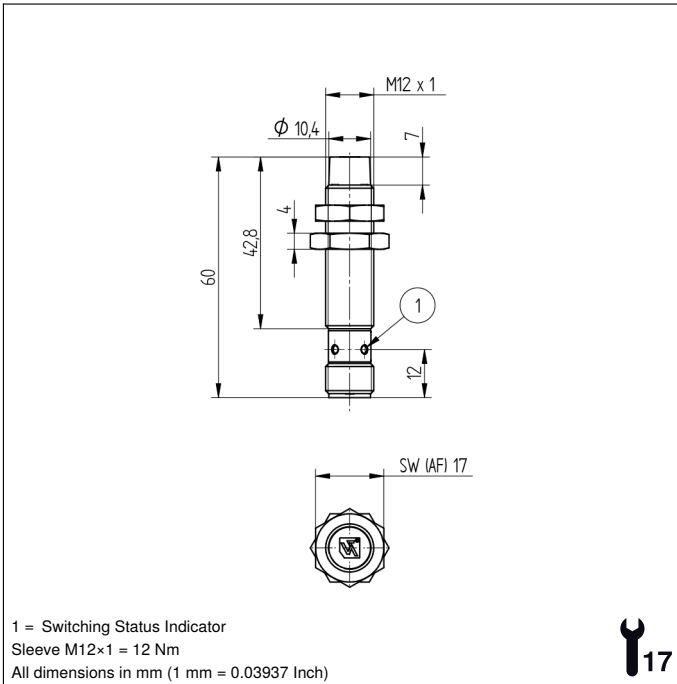
The Inductive Sensors have not only been equipped with ASIC, but rather with an IO-Link interface as well for ideal integration into networks. As a result, a total of three switching distances and two switching frequencies can be selected, and PNP/NPN as well as NO/NC/antivalent options can be set as desired. This reduces the number of variants while simultaneously expanding the scope of functions.

Technical Data

Inductive Data	
Switching Distance	12 mm
Standard Target	36 × 36 mm
Correction Factors Stainless Steel V2A/CuZn/Al	1,05/0,54/0,52
Mounting	non-flush
Mounting A/B/C/D in mm	20/40/36/14
Mounting B1 in mm	0...14
Switching Hysteresis	< 10 %
Electrical Data	
Supply Voltage	10...30 V DC
Supply Voltage with IO-Link	18...30 V DC
Current Consumption (Ub = 24 V)	< 14 mA
Switching Frequency	360 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
Interface	IO-Link V1.1
Protection Class	III
Mechanical Data	
Housing Material	CuZn, nickel-plated
Degree of Protection	IP67
Connection	M12 × 1; 4-pin
Safety-relevant Data	
MTTFd (EN ISO 13849-1)	3706,54 a
Function	
Error Indicator	yes
Programmable switching distance	8/10/12 mm
IO-Link	●
Programmable error output	●
PNP NO	●
Connection Diagram No.	704
Suitable Connection Equipment No.	2
Suitable Mounting Technology No.	170 173

Complementary Products

IO-Link Master
Software

1 = Switching Status Indicator
Sleeve M12×1 = 12 Nm
All dimensions in mm (1 mm = 0.03937 Inch)

🔧17

704


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        1 ┤■ +
        4 ┤■ A1/◇
PNP     2 ┤■ A2
NPN
PUSH-PULL
NO/NC   3 ┤■ –
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Mounting

UK CA   CE   ◎   ☑ RoHS   ◇   c(UL)us LISTED IND. CONT. EQ 72HL / E188727 For use in class 2 circuits