## 112H025

Part Number



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

**Technical Data** 

Inductive Data	
Switching Distance	6 mm
Correction Factors Stainless Steel V2A/CuZn/Al	1,01/0,53/0,52
Mounting	semi-flush
Mounting A/B/C/D in mm	12/20/18/4
Mounting B1 in mm	05
Switching Hysteresis	< 10 %
Electrical Data	
Supply Voltage	1030 V DC
Current Consumption (Ub = 24 V)	< 8 mA
Switching Frequency	560 Hz
Temperature Drift	< 10 %
Temperature Range	-4080 °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	M12 × 1; 3-pin
Safety-relevant Data	
MTTFd (EN ISO 13849-1)	3706,54 a
Function	
Error Indicator	yes
PNP NO	•
Connection Diagram No.	102
Suitable Connection Technology No.	2
Suitable Mounting Technology No.	170 172

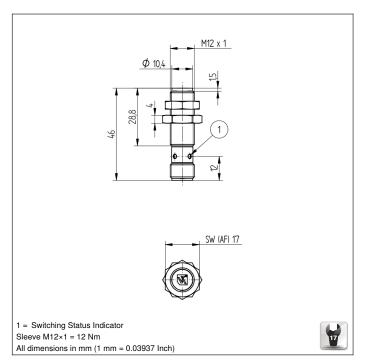
**wepro**Tec

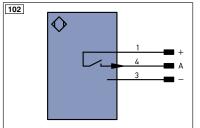
Inductive Sensors with increased switching distances are distinguished by rugged design, easy installation and reliable measured values. The large range makes additional types of sensor superfluous because they can also be used to implement special applications. In addition to error-free operation of 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.

## **Complementary Products**

PNP-NPN Converter BG2V1P-N-2M







.eger	10		PT	Platinum measuring resistor	ENA	Encoder A
+	Supply Voltage +		nc	not connected	ENв	Encoder B
-	Supply Voltage 0 V		U	Test Input	Amin	Digital output MIN
~	Supply Voltage (AC Voltage)		Ū	Test Input inverted	Амах	Digital output MAX
Α	Switching Output	(NO)	W	Trigger Input	Аок	Digital output OK
Ā	Switching Output	(NC)	0	Analog Output	SY In	Synchronization In
٧		(NO)	0-	Ground for the Analog Output	SY OUT	
V		(NC)	BZ	Block Discharge	OLT	Brightness output
E	Input (analog or digital)		Awv	Valve Output	М	Maintenance
Т	Teach Input		а	Valve Control Output +		
Z	Time Delay (activation)		b	Valve Control Output 0 V		
S	Shielding		SY	Synchronization	Wire Colors according to	
RxD	Interface Receive Path		E+	Receiver-Line	DIN IE	C 757
TxD	Interface Send Path		S+	Emitter-Line	BK	Black
RDY	Ready		±	Grounding	BN	Brown
GND	Ground		SnR	Switching Distance Reduction	RD	Red
CL	Clock		Rx+/-	Ethernet Receive Path	OG	Orange
E/A	Output/Input programmable		Tx+/-	Ethernet Send Path	YE	Yellow
•	IO-Link		Bus	Interfaces-Bus A(+)/B(-)	GN	Green
PoE	Power over Ethernet		La	Emitted Light disengageable	BU	Blue
IN	Safety Input		Mag	Magnet activation		Violet
OSSD	Safety Output		RES	Input confirmation	GY	Grey
Signal	Signal Output		EDM	Contactor Monitoring	WH	White
BI_D+/-	- Ethernet Gigabit bidirect. data	line (A-D)	ENARS422	Encoder A/Ā (TTL)		Pink
ENors42	Encoder 0-pulse 0-0 (TTL)	•		Encoder B/B (TTL)	GNYE	Green/Yellow

## Mounting

