112H054

Part Number



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

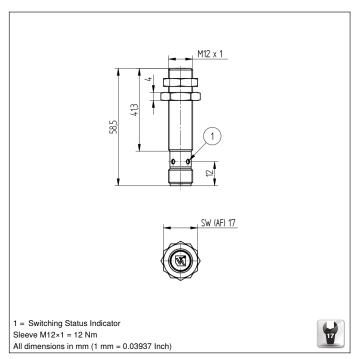
Inductive Sensors with increased switching distances are distinguished by rugged design, easy installation and reliable measured values. The large range makes additional types of sensor superfluous because they can also be used to implement special applications. In addition to error-free operation of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

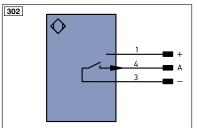
weproTec

Technical Data

. John Data					
Inductive Data					
witching Distance 4 mm					
Correction Factors Stainless Steel V2A/CuZn/Al	1,03/0,56/0,52				
Mounting	flush				
Mounting A/B/C/D in mm	0/8/12/0				
Mounting B1 in mm					
Switching Hysteresis	< 10 %				
Electrical Data					
Supply Voltage	1030 V DC				
Current Consumption (Ub = 24 V)	< 6 mA				
Switching Frequency	g Frequency 1150 Hz				
Temperature Drift	< 10 %				
Temperature Range	-4080 °C				
Switching Output Voltage Drop	< 1 V				
Switching Output/Switching Current	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					
using Material CuZn, nickel-plated					
Degree of Protection	ection IP67				
Connection M12 × 1; 3-pin					
Safety-relevant Data					
MTTFd (EN ISO 13849-1)	EN ISO 13849-1) 3706,54 a				
Diagnostic Coverage (DC)	0 %				
Service Life TM (EN ISO 13849-1)	e TM (EN ISO 13849-1) 20 a				
Function					
Error Indicator	yes				
NPN NO	•				
Connection Diagram No.	302				
Suitable Connection Equipment No.	2				
Suitable Mounting Technology No.	170 171				







_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 +	rsv	reserved
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 IEC 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

