118N005

Part Number



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

Technical Data

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Inductive Data				
Switching Distance	nce 5 mm			
Correction Factors Stainless Steel V2A/CuZn/Al	1,10/0,45/0,41			
Mounting	flush			
Mounting A/B/C/D in mm	0/24/8/0			
Mounting B1 in mm	012			
Switching Hysteresis	< 10 %			
Electrical Data				
Supply Voltage	1030 V DC			
Current Consumption (Ub = 24 V)	< 12 mA			
Switching Frequency	1110 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			
Full Encapsulation	yes			
Degree of Protection	IP67			
Connection	M12 × 1; 4-pin			
Safety-relevant Data				
MTTFd (EN ISO 13849-1)	3706,54 a			
Function				
Error Indicator	yes			
PNP NO/NC antivalent	•			
Connection Diagram No.	101			
Suitable Connection Equipment No.	2			
Suitable Mounting Technology No.	150 151			

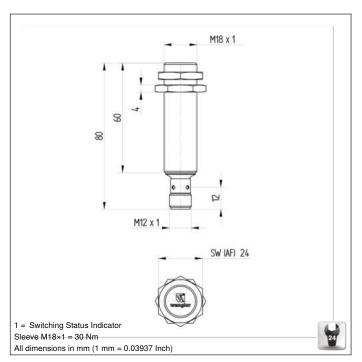
weproTec

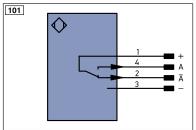
Inductive Sensors with standard switching distances are distinguished by rugged design, easy installation and reliable measured values. In addition to error-free operation of several sensors in a very small space, the new generation also provides the possibility of detecting system errors before it's too late thanks to ASIC und wenglor weproTec.

Complementary Products

PNP-NPN Converter BG2V1P-N-2M







_eger	nd	PT	Γ	Platinum measuring resistor	ENARS422	Encoder A/Ā (TTL)	
+	Supply Voltage +	nc	:	not connected	ENBRS422	Encoder B/B (TTL)	
-	Supply Voltage 0 V	U		Test Input	ENA	Encoder A	
~	Supply Voltage (AC Voltage)	Ū		Test Input inverted	ENB	Encoder B	
Α	Switching Output (N	O) W		Trigger Input	Amin	Digital output MIN	
Ā	Switching Output (N	C) W	-	Ground for the Trigger Input	Амах	Digital output MAX	
V	Contamination/Error Output (N	0)		Analog Output	Аок	Digital output OK	
V	Contamination/Error Output (N	C) 0	-	Ground for the Analog Output	SY In	Synchronization In	
Е	Input (analog or digital)	BZ	Z	Block Discharge	SY OUT	Synchronization OUT	
Т	Teach Input	A	V IV	Valve Output	OLT	Brightness output	
Z	Time Delay (activation)	а		Valve Control Output +	М	Maintenance	
S	Shielding	b		Valve Control Output 0 V	rsv	reserved	
RxD	Interface Receive Path	SY	Y	Synchronization	Wire Co	Wire Colors according to IEC 60757	
TxD	Interface Send Path	SY	Y-	Ground for the Synchronization	BK	Black	
RDY	Ready	E+	+	Receiver-Line	BN	Brown	
GND	Ground	S-	+	Emitter-Line	RD	Red	
CL	Clock	÷	-	Grounding	OG	Orange	
E/A	Output/Input programmable	Sn	ηR	Switching Distance Reduction	YE	Yellow	
•	IO-Link	Rx	<+/-	Ethernet Receive Path	GN	Green	
PoE	Power over Ethernet	Tx	x+/-	Ethernet Send Path	BU	Blue	
IN	Safety Input	Bu	IS	Interfaces-Bus A(+)/B(-)	VT	Violet	
OSSD	Safety Output	La	ı	Emitted Light disengageable	GY	Grey	
Signal	Signal Output	Ma	aq	Magnet activation	WH	White	
BI_D+/-	- Ethernet Gigabit bidirect. data lin			Input confirmation	PK	Pink	
ENors42	2 Encoder 0-pulse 0-0 (TTL)	EC)M	Contactor Monitoring	GNYE	Green/Yellow	

Mounting

