## 11BH024

Part Number



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

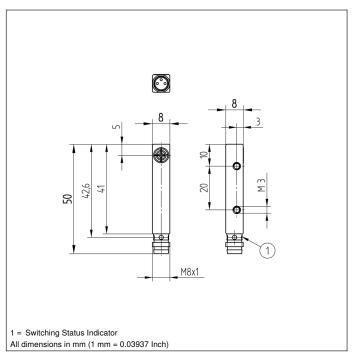
Technical Data

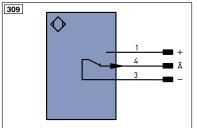
Toominour Butu						
Inductive Data						
tching Distance 3 mm						
Correction Factors Stainless Steel V2A/CuZn/Al	1,27/0,83/0,80					
Mounting	non-flush					
Mounting A/B/C/D in mm	16/14/9/0					
Mounting B1 in mm 08						
Switching Hysteresis	< 10 %					
Electrical Data						
Supply Voltage	1030 V DC					
Current Consumption (Ub = 24 V)	< 10 mA 940 Hz					
Switching Frequency	ching Frequency 940 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					
Chart Chadh Frederich	,					
Reverse Polarity and Overload Protection	yes					
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Reverse Polarity and Overload Protection	yes					
Reverse Polarity and Overload Protection Protection Class	yes					
Reverse Polarity and Overload Protection Protection Class Mechanical Data	yes III					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material	yes III Plastic					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection	yes III Plastic IP67					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection Connection	yes III Plastic IP67					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection Connection Safety-relevant Data	yes III Plastic IP67 M8 × 1; 3-pin					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection Connection  Safety-relevant Data  MTTFd (EN ISO 13849-1)	yes III  Plastic IP67 M8 × 1; 3-pin  3706,54 a					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection Connection  Safety-relevant Data MTTFd (EN ISO 13849-1) Diagnostic Coverage (DC)	yes III  Plastic IP67 M8 × 1; 3-pin  3706,54 a 0 %					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection Connection  Safety-relevant Data MTTFd (EN ISO 13849-1) Diagnostic Coverage (DC) Service Life TM (EN ISO 13849-1)	yes III  Plastic IP67 M8 × 1; 3-pin  3706,54 a 0 %					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection Connection  Safety-relevant Data  MTTFd (EN ISO 13849-1) Diagnostic Coverage (DC) Service Life TM (EN ISO 13849-1)  Function	yes III  Plastic IP67 M8 × 1; 3-pin  3706,54 a 0 % 20 a					
Reverse Polarity and Overload Protection Protection Class  Mechanical Data Housing Material Degree of Protection Connection  Safety-relevant Data MTTFd (EN ISO 13849-1) Diagnostic Coverage (DC) Service Life TM (EN ISO 13849-1) Function Error Indicator	yes III  Plastic IP67 M8 × 1; 3-pin  3706,54 a 0 % 20 a					

**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.







Legend			PT	Platinum measuring resistor	ENA	Encoder A	
+	Supply Voltage +		nc	not connected	ENB	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	
V	Contamination/Error Output	(NO)	0-	Ground for the Analog Output	SY OUT	Synchronization OUT	
V	Contamination/Error Output	(NC)	BZ	Block Discharge	OLT	Brightness output	
E	Input (analog or digital)		Awv	Valve Output	М	Maintenance	
T	Teach Input		а	Valve Control Output +	rsv	reserved	
Z	Time Delay (activation)		b	Valve Control Output 0 V			
S	Shielding		SY	Synchronization	Wire C	Wire Colors according to	
RxD	Interface Receive Path		E+	Receiver-Line	DIN IE	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	VT	Violet	
OSSD	Safety Output		RES	Input confirmation	GY	Grey	
Signal	Signal Output		EDM	Contactor Monitoring	WH	White	
BI_D+/-	- Ethernet Gigabit bidirect. data	a line (A-D)	ENARS422	Encoder A/Ā (TTL)	PK	Pink	
ENors42	Encoder 0-pulse 0-0 (TTL)			Encoder B/B (TTL)	GNYE	Green/Yellow	

## Mounting

