I1CH017

Part Number



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

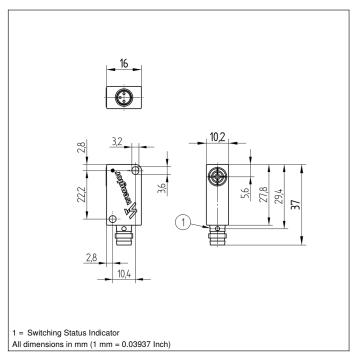
Inductive Sensors with increased switching distances are distinguished by rugged design, easy installation and reliable measured values. The large range makes additional types of sensor superfluous because they can also be used to implement special applications. In addition to error-free operation of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

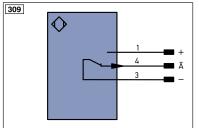
weproTec

Technical Data

Inductive Data					
Switching Distance	6 mm				
Correction Factors Stainless Steel V2A/CuZn/Al	1,11/0,62/0,61				
Mounting	non-flush				
Mounting A/B/C/D in mm	20/27/18/16				
Mounting B1 in mm	012				
Switching Hysteresis	< 10 %				
Electrical Data					
Supply Voltage	1030 V DC				
rrent Consumption (Ub = 24 V) < 10 mA					
Switching Frequency	960 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				
ort Circuit Protection yes					
everse Polarity and Overload Protection yes					
Protection Class	III				
Mechanical Data					
Housing Material	Plastic				
Full Encapsulation	yes				
Degree of Protection	IP67				
Connection	M8 × 1; 3-pin				
Safety-relevant Data					
MTTFd (EN ISO 13849-1)	3706,54 a				
Diagnostic Coverage (DC)	0 %				
Service Life TM (EN ISO 13849-1)	20 a				
Function					
Error Indicator	yes				
NPN NC					
Connection Diagram No.	309				
Suitable Connection Equipment No.	8				







.egen	10	P	T	Platinum measuring resistor	ENA	Encoder A
+	Supply Voltage +	n	С	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 (N	O) V	V	Trigger Input	Аок	Digital output OK
Ā	Switching Output (N	C) C)	Analog Output	SY In	Synchronization In
٧	Contamination/Error Output (N	O) C)—	Ground for the Analog Output	SY OUT	Synchronization OUT
V	Contamination/Error Output (N	C) B	Z	Block Discharge	OLT	Brightness output
E	Input (analog or digital)	A	WV	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	S	Υ	Synchronization	Wire C	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	긭	÷	Grounding	BN	Brown
GND	Ground	S	inR	Switching Distance Reduction	RD	Red
CL	Clock	R	x+/-	Ethernet Receive Path	OG	Orange
E/A	Output/Input programmable	Т	x+/-	Ethernet Send Path	YE	Yellow
0	IO-Link	В	us	Interfaces-Bus A(+)/B(-)	GN	Green
PoE	Power over Ethernet	L		Emitted Light disengageable	BU	Blue
IN	Safety Input	м	lag	Magnet activation	VT	Violet
OSSD	Safety Output	R		Input confirmation	GY	Grey
Signal		E		Contactor Monitoring	WH	White
BI_D+/-	- Ethernet Gigabit bidirect. data lin	e (A-D)		Encoder A/Ā (TTL)	PK	Pink
	2 Encoder 0-pulse 0-0 (TTL)			Encoder B/B (TTL)	GNYE	Green/Yellow

Mounting

