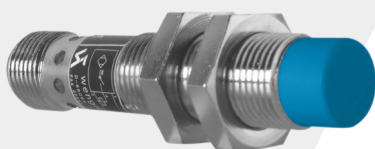


Inductive Proximity Switch



IB060NM61VB3

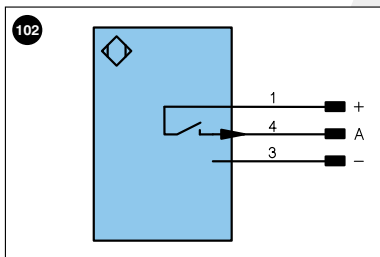
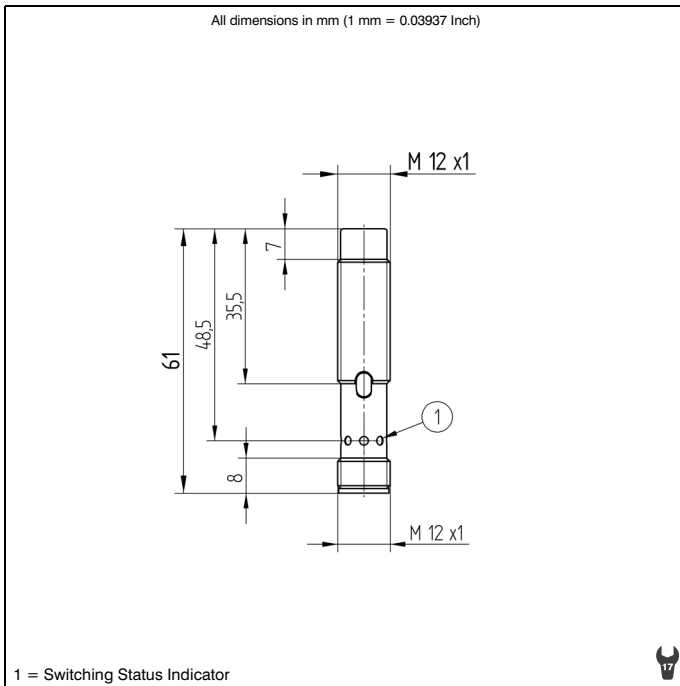
Part Number



Technical Data

Inductive Data	
Switching Distance	6 mm
Correction Factors V2A / Brass / Al	0.76/0.54/0.54
Mounting	non-flush
Mounting A/B/C/D in mm	18/24/18/7
Switching Hysteresis	< 15 %
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (U _b = 24V)	< 6 mA
Switching Frequency	600 Hz
Temperature Drift	< 10 %
Temperature Range	-25...80 °C
Switching Output Voltage Drop	< 2,5 V
Switching Output / Switching Current	200 mA
Residual Current Switching Output	< 100 µA
Short Circuit Protection	yes
Reverse Polarity and Overload Protection	yes
Mechanical Data	
Housing	CuZn, nickel-plated
Full Encapsulation	yes
Degree of Protection	IP67
Connection	M12 x 1
Protective Insulation, Rated Voltage	50 V
Stock Type	●
PNP NO	●
Connection Diagram No.	102
Suiting Connection Technology No.	2
Suiting Mounting Technology No.	170





Legend			
+	Supply Voltage +	U	Test Input
-	Supply Voltage 0V	Ū	Test Input inverted
~	Supply Voltage (AC Voltage)	W	Trigger Input
A	Switching Output (1,2,3...)/NO	O	Analog Output
Ā	Switching Output (1,2,3...)/NC	O-	Ground for the Analog Output
V	Contamination/Error Output (NO)	BZ	Block Discharge
V̄	Contamination/Error Output (NC)	AWV	Valve Output
E	Input (analog or digital)	a	Valve Control Output +
T	Teach Input	b	Valve Control Output 0V
Z	Time Delay (activation)	SY	Synchronization
S	Shielding	E+	Receiver-Line
RxD	RS-232 Receive Path	S+	Emitter-Line
TxD	RS-232 Send Path	±	Grounding
RDY	Ready	SnR	Switching Distance Reduction
GND	Ground	USBD+	USB data +
CL	Clock	USBD-	USB data -
E/A	Output/Input programmable	Bus	Interfaces-Bus A(+)/B(-)
	IO-Link	La	Emitted Light disengageable

Wire Colors according to DIN IEC 757	
BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink
GNYE	Green Yellow

Mounting

