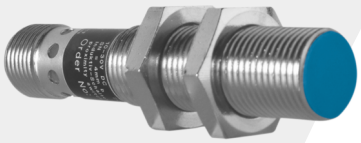
Inductive Proximity Switch

IB040BM60VD3

Part Number

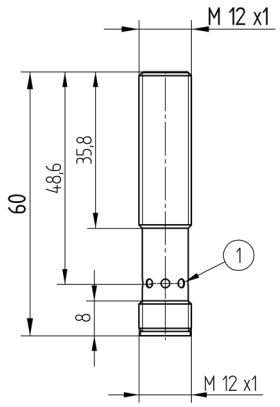


Technical Data

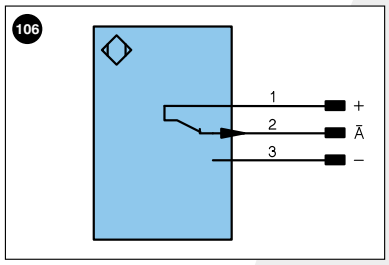
Inductive Data	
Switching Distance	4 mm
Correction Factors V2A / Brass / Al	0.77/0.50/0.48
Mounting	flush
Mounting A/B/C/D in mm	0/24/12/0
Switching Hysteresis	< 15 %
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24V)	< 6 mA
Switching Frequency	700 Hz
Temperature Drift	< 10 %
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 NC	●
Connection Diagram No.	106
Suiting Connection Technology No.	2
Suiting Mounting Technology No.	170

ME 61 50 V

All dimensions in mm (1 mm = 0.03937 Inch)



1 = Switching Status Indicator



Legend

+	Supply Voltage +
–	Supply Voltage 0V
~	Supply Voltage (AC Voltage)
A	Switching Output (1,2,3...)/NO
Ā	Switching Output (1,2,3...)/NC
V	Contamination/Error Output (NO)
V̄	Contamination/Error Output (NC)
E	Input (analog or digital)
T	Teach Input
Z	Time Delay (activation)
S	Shielding
RxD	RS-232 Receive Path
TxD	RS-232 Send Path
RDY	Ready
GND	Ground
CL	Clock
E/A	Output/Input programmable
	IO-Link

U	Test Input
Ū	Test Input inverted
W	Trigger Input
O	Analog Output
O–	Ground for the Analog Output
BZ	Block Discharge
AMV	Valve Output
a	Valve Control Output +
b	Valve Control Output 0V
SY	Synchronization
E+	Receiver-Line
S+	Emitter-Line
⏚	Grounding
SnR	Switching Distance Reduction
USBD+	USB data +
USBD–	USB data -
Bus	Interfaces-Bus A(+)/B(-)
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