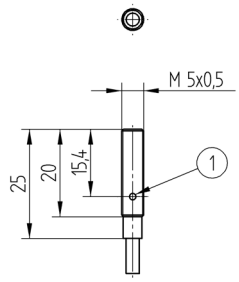
Inductive Proximity Switch

IL008BE25VB

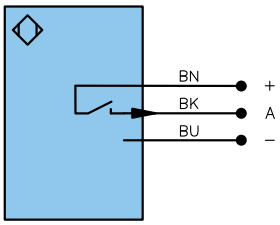
Part Number

Technical Data

Inductive Data	
Switching Distance	0,8 mm
Correction Factors V2A/CuZn/Al	0,68/0,45/0,36
Mounting	flush
Mounting A/B/C/D in mm	0/10/2,4/0
Switching Hysteresis	< 15 %
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24 V)	< 10 mA
Switching Frequency	5 kHz
Temperature Drift	< 10 %
Temperature Range	-25...80 °C
Switching Output Voltage Drop	< 2,5 V
Switching Output / Switching Current	100 mA
Residual Current Switching Output	< 100 µA
Short Circuit Protection	yes
Reverse Polarity and Overload Protection	yes
Protection Class	III
Mechanical Data	
Housing Material	Stainless Steel
Full Encapsulation	yes
Degree of Protection	IP67
Connection	Prewired
Cable Length	2 m
Stock Type	●
PNP NO	●
Connection Diagram No.	202
Suiting Mounting Technology No.	260



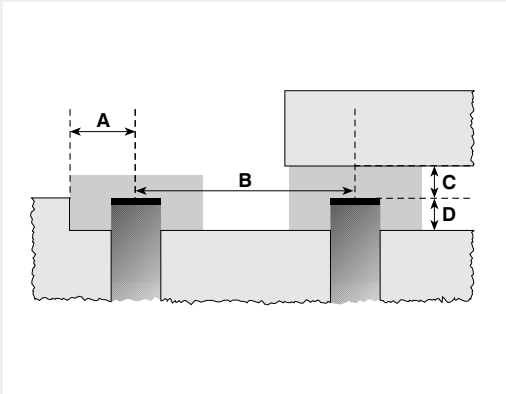
1 = Switching Status Indicator
All dimensions in mm (1 mm = 0.03937 Inch)



Legend

+	Supply Voltage +		U	Test Input		PoE	Power over Ethernet
–	Supply Voltage 0 V		Ū	Test Input inverted			
~	Supply Voltage (AC Voltage)		W	Trigger Input			
A	Switching Output	(NO)	O	Analog Output			
Ā	Switching Output	(NC)	O–	Ground for the Analog Output		Wire Colors according to DIN IEC 757	
V	Contamination/Error Output	(NO)	BZ	Block Discharge			
V̄	Contamination/Error Output	(NC)	AMV	Valve Output		BK	Black
E	Input (analog or digital)		a	Valve Control Output +		BN	Brown
T	Teach Input		b	Valve Control Output 0 V		RD	Red
Z	Time Delay (activation)		SY	Synchronization		OG	Orange
S	Shielding		E+	Receiver-Line		YE	Yellow
RxD	Interface Receive Path		S+	Emitter-Line		GN	Green
TxD	Interface Send Path		⏚	Grounding		BU	Blue
RDY	Ready		SnR	Switching Distance Reduction		VT	Violet
GND	Ground		Rx+/–	Ethernet Receive Path		GY	Grey
CL	Clock		Tx+/–	Ethernet Send Path		WH	White
E/A	Output/Input programmable		Bus	Interfaces-Bus A(+)/B(–)		PK	Pink
	IO-Link		La	Emitted Light disengageable		GNYE	Green Yellow

Mounting



Specifications are subject to change without notice