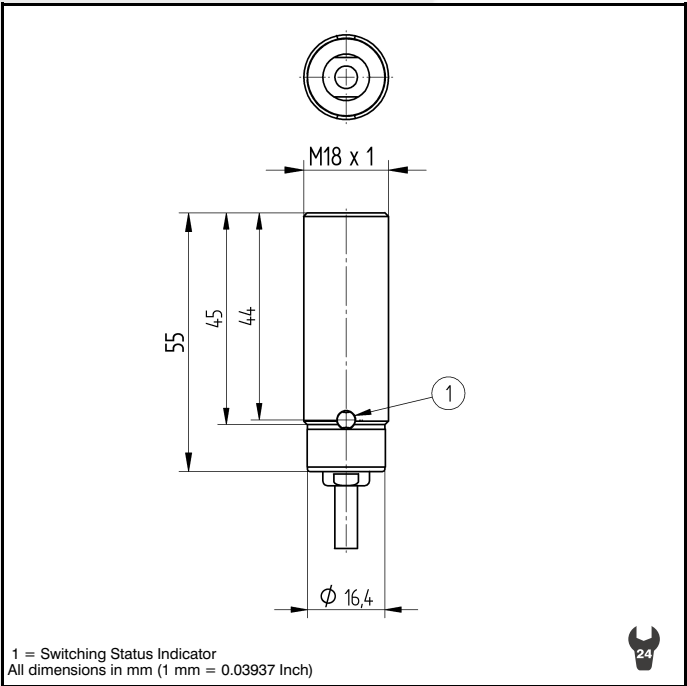


Inductive Proximity Switch

flush Housing W M18 x 1

IW050BM55VA

Part Number



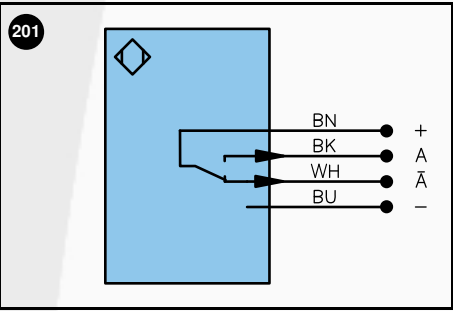
Technical Data

Inductive Data	
Switching Distance	5 mm
Correction Factors V2A / Brass / Al	0.73/0.44/0.42
Mounting	flush
Switching Hysteresis	< 15 %
Electrical Data	
Supply Voltage	10...30 V DC
Current Consumption (Ub = 24V)	< 6 mA
Switching Frequency	400 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 Protection	yes
Overload Protection	yes
Mechanical Data	
Housing	BrasNicPlated
Full Encapsulation	yes
Protection Mode	IP 67
Connection	Prewired
Cabel Length	2 m
Protective Insulation, Rated Voltage	50 V

Preliminary data



Part Number	IW050BM55VA
PNP NO/NC antivalent	●
Connection Diagram No.	201



Legend	
+ Power supply "+"	U Test input
- Power supply "0V"	W Trigger input
~ Power supply (AC Voltage)	O Analog output (1,2,3...)
A Switching output (1,2,3...) / NO	O- Ground for the analog output
Ā Switching output (1,2,3...) / NC	BZ Block discharge
V Contamination / Error output (NO)	AwV Valve output
V Contamination / Error output (NC)	a Valve control output "+"
E Input (analog or digital)	b Valve control output "0V"
T Teach input	SY Synchronization
Z Time delay (activation)	E+ Receiver-Line
S Shielding	S+ Emitter-Line
RxD RS-232 receive path	⊕ Grounding
TxD RS-232 send path	
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

Specifications are subject to change without notice