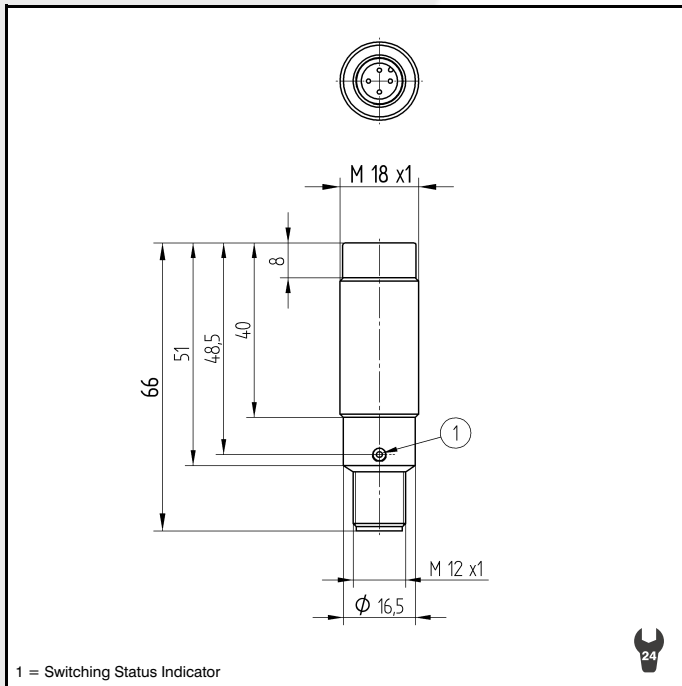


# Inductive Proximity Switch

non-flush Housing W M18 x 1

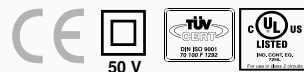
## IW080NM66UB3

Order Number



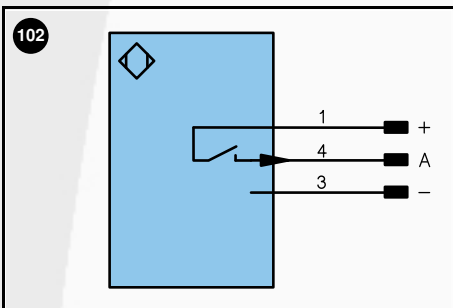
### Technical Data

Inductive Data	
Switching Distance	8 mm
Correction Factors V2A / Brass / Al	0.77/0.51/0.50
Mounting	non-flush
Switching Hysteresis	< 15 %
Electrical Data	
Power Supply	10...30 V DC
Power Consumption	< 6 mA
Switching Frequency	200 Hz
Temperature Drift	< 10 %
Temperature Range	-25...80 °C
Switching Output Voltage Drop	< 2.5 V
Switching Output/Switching Current	400 mA
Residual Current Switching Output	< 100 µA
Short Circuit Protection	yes
Reverse Polarity Protection	yes
Overload Protection	yes
Mechanical Data	
Housing	BrasNicPlated
Fully Encapsulated	yes
Protection Mode	IP 67
Connection	M 12x1
Protective Insulation	up to 50 V



Order Number	<b>IW080NM66UB3</b>
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PNP NO	●
Connection Diagramm No.	102
Suitable Plug No.	2



Legend		Wire colours according to DIN IEC 757
+	Power supply "+"	BK black
-	Power supply "0V"	BN brown
~	Power supply (AC Voltage)	RD red
A	Switching output (1,2,3...) / NO	OG orange
Ā	Switching output (1,2,3...) / NC	YE yellow
V	Contamination / Error output (NO)	GN green
V	Contamination / Error output (NC)	BU blue
E	Input (analogue or digital)	VT violet
T	Teach input	GY grey
Z	Time delay (activation)	WH white
S	Shielding	PK pink
RxD	RS-232 receive path	GNYE green yellow
TxD	RS-232 send path	
U	Test input	
W	Trigger input	
O	Analogue output (1,2,3...)	
O-	Ground for the analogue output	
BZ	Block discharge	
Aw	Valve output	
a	Valve control output "+"	
b	Valve control output "0V"	
SY	Synchronisation	
E+	Receiver-Line	
S+	Emitter-Line	
⊕	Grounding	

Specifications are subject to change without notice