

Inductive Sensor

with Standard Switching Distances

IW080BM80VA3

Part Number



Technical Data

Inductive Data

Switching Distance	8 mm
Correction Factors V2A/CuZn/Al	0,75/0,48/0,44
Mounting	flush
Mounting A/B/C/D in mm	0/18/24/0
Switching Hysteresis	< 15 %

Electrical Data

Supply Voltage	10...30 V DC
Current Consumption (U _b = 24 V)	< 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	200 mA
Residual Current Switching Output	< 100 µA
Short Circuit Protection	yes
Reverse Polarity and Overload Protection	yes
Protection Class	III

Mechanical Data

Housing Material	CuZn, nickel-plated
Full Encapsulation	yes
Degree of Protection	IP67
Connection	M12 × 1; 4-pin

PNP NO/NC antivalent ●

Connection Diagram No. **101**

Suitable Connection Technology No. **2**

Suitable Mounting Technology No. **150 | 151**

Complementary Products

PNP-NPN Converter BG2V1P-N-2M

