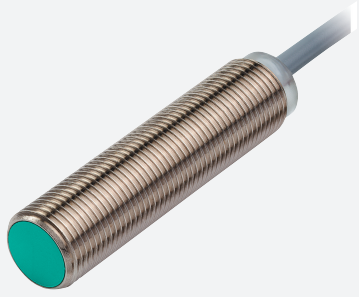
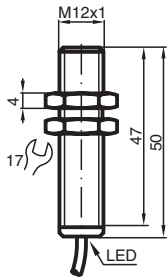


# Magnetic field sensor MB80-12GM50-E0-PUR



## Dimensions



## Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		NPN
Rated operating distance	$s_n$	80 mm
Installation		flush in non-magnetic metal
Output polarity		DC
Assured operating distance	$s_a$	20 ... 64.8 mm
Output type		3-wire
Nominal ratings		
Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 5000 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 2.5$ V
Operating current	$I_L$	0 ... 200 mA
No-load supply current	$I_o$	$\leq 20$ mA
Switching state indicator		LED, yellow

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## Technical Data

Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
CCC approval		CCC approval / marking not required for products rated $\leq 36$ V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		3 mm - 0.2 mm
Bending radius		> 12 x cable diameter
Material		PUR
Color		black
Number of cores		3
Core cross section		0.14 mm <sup>2</sup>
Length	L	2 m
Dimensions		
Length		50 mm
Diameter		12 mm

## Connection

