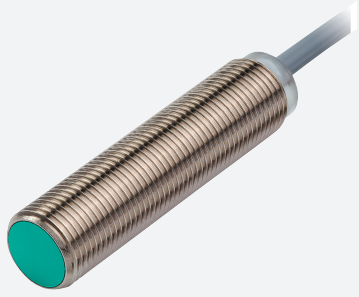
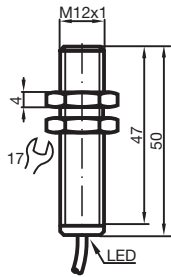


Magnetic field sensor MB80-12GM50-E0-PUR



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	≤ 2.5 V

Release date: 2022-07-13 Date of issue: 2022-07-13 Filename: 324882_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

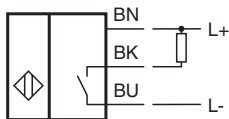
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**




Technical Data

Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 20 mA
Switching state indicator		LED, yellow
Compliance with standards and directives		
Standard conformity		
Standards		EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates		
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable PUR , 2 m (black)
Core cross section		0.14 mm ²
Housing material		brass, nickel-plated
Sensing face		PBT
Degree of protection		IP67

Connection



Accessories

	BF 12	Mounting flange, 12 mm
	DM 25-32-07	Permanent magnet for magnetic field sensors
	DM 60-31-15	Permanent magnet for magnetic field sensors