



Model Number

MB80-12GM50-E0-PUR

Accessories

BF 12

Mounting flange, 12 mm

EXG-12

Quick mounting bracket with dead stop

DM 25-32-07

Permanent magnet for magnetic field sensors

DM 60-31-15

Permanent magnet for magnetic field sensors

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
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 20 mA
Switching state indicator		LED, yellow

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

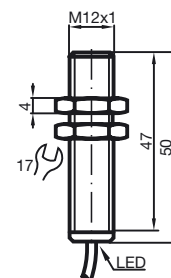
Compliance with standards and directives

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
--------------	--	--

Dimensions



Electrical Connection

