



Model Number

MMB60-12GH50-E2-V1

Features

- Stainless steel sensing face
- 3-wire DC

Accessories

V1-G-OR2M-POC

Female cordset, M12, 4-pin, TPE cable, welding-bead resistant

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

DM 60-31-15

Permanent magnet for magnetic field sensors

Technical Data

General specifications

Switching function	Normally open (NO)
Output type	PNP
Rated operating distance	s_n 60 mm
Installation	flush
Output polarity	DC
Actuating element	magnetic
Output type	3-wire

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	5000 Hz
Hysteresis	H	1 ... 10 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2.5 V DC
Operating current	I_L	≤ 200 mA
Current consumption		< 10 mA

Indicators/operating means

Operation indicator	4-way LED	Yellow: output
---------------------	-----------	----------------

Ambient conditions

Ambient temperature	-25 ... 75 °C (-13 ... 167 °F)
---------------------	--------------------------------

Mechanical specifications

Connection type	V1 connector (M12 x 1), 4-pin
Housing material	stainless steel V4A
Sensing face	stainless steel V4A
Degree of protection	IP65 / IP67 /

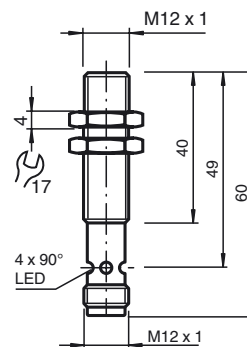
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

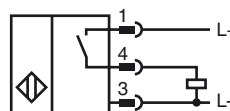
Approvals and certificates

UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤ 36 V

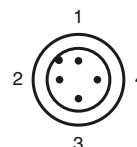
Dimensions



Electrical Connection



Pinout





Wire colors in accordance with EN 60947-5-2

1		BN	(brown)
2		WH	(white)
3		BU	(blue)
4		BK	(black)

Release date: 2017-02-03 14:32 Date of issue: 2017-02-03 278605_eng.xml



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk