



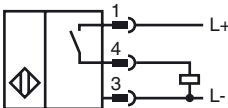
### Model Number

MB60-8GM50-E2-V3

### Features

- Sensing range 60 mm based on DM60-31-15 magnet

### Connection



### Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)

### Accessories

#### V3-WM

Female connector, M8, 3-pin, field attachable

#### V3-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

#### V3-GM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

#### EXG-08

Quick mounting bracket with dead stop

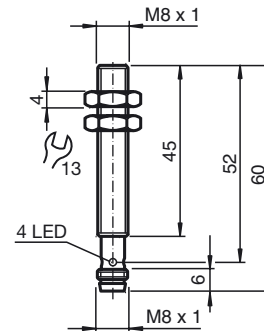
#### BF 8

Mounting flange, 8 mm

#### V3-GM

Female connector, M8, 3-pin, field attachable

## Dimensions



## Technical Data

### General specifications

Switching element function	PNP	NO
Rated operating distance	$s_n$	60 mm
Installation	flush in non-magnetic metal	
Output polarity	DC	
Assured operating distance	$s_a$	10 ... 48.6 mm

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 5000 Hz
Hysteresis	$H$	1 ... 10 %
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	$I_0$	$\leq 10$ mA
Switching state indication	Multihole-LED, yellow	

### Functional safety related parameters

MTTF <sub>d</sub>	3909 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

### Ambient conditions

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

Connection type	Connector M8 x 1 , 3-pin
Housing material	Stainless steel 1.4404 / AISI 316L
Sensing face	PBT
Protection degree	IP67

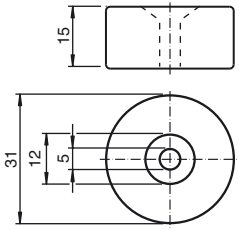
### Compliance with standards and directives

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

### Approvals and certificates

Protection class	III
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated $\leq 36$ V

Magnet DM 60-31-15



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