



Model Number

NMB5-12GM65-E0-V1

Features

- 5 mm flush
- Stainless steel sensing face
- Increased operating distance

Accessories

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

AB-12

Mounting aid

Technical Data

General specifications

Switching function	Normally open (NO)
Output type	NPN
Rated operating distance	s_n 5 mm
Installation	flush (Requirements: see drawing below)
Output polarity	DC
Assured operating distance	s_a 0 ... 4.05 mm
Actuating element	Ferrous and nonferrous targets
Reduction factor r_{Al}	0.3
Reduction factor r_{Cu}	0.2
Reduction factor r_{304}	0.85
Reduction factor r_{St37}	1
Output type	3-wire

Nominal ratings

Operating voltage	U_B 10 ... 30 V DC
Switching frequency	f 0 ... 360 Hz
Hysteresis	H 3 ... 15 typ. 5 %
Reverse polarity protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	U_d ≤ 2 V DC
Operating current	I_L ≤ 200 mA
Off-state current	I_r ≤ 10 μA
No-load supply current	I_0 ≤ 15 mA
Operating voltage indicator	LED, green
Switching state indicator	LED, yellow

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
---------------------	--------------------------------

Mechanical specifications

Connection type	Connector M12 x 1, 4-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Degree of protection	IP67 / IP68 / IP69K - cordset dependent according to cable specification

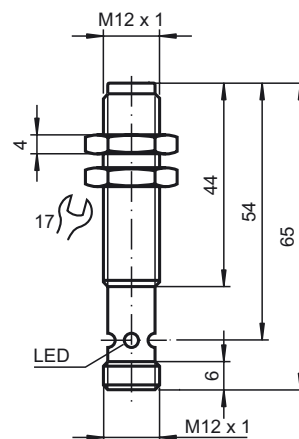
Compliance with standards and directives

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

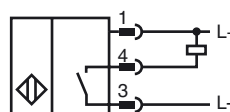
Approvals and certificates

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

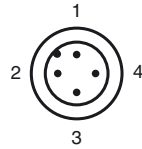
Dimensions



Electrical Connection

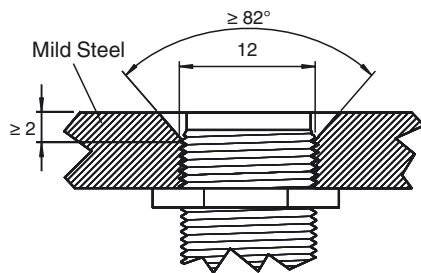


Pinout



Wire colors in accordance with EN 60947-5-2

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



Sensor face is flush with mounting surface.