



Model Number

NMB1,5-8GM23-Z3-C-FE-850MM-V1

Features

- 1.5 mm flush
- 2-wire DC
- Stainless steel sensing face
- Weld field immune
- Weld slag resistant coating
- Ferrous targets

Accessories

BF 8

Mounting flange, 8 mm

V1-G-OR2M-POC

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

Technical Data

General specifications

Switching function		Normally open (NO)
Output type		Two-wire
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Actuating element		Ferrous targets
Reduction factor r_{Al}		0
Reduction factor r_{Cu}		0
Reduction factor r_{304}		0.4 - 0.7
Reduction factor r_{S37}		1
Reduction factor r_{Brass}		0
Output type		2-wire

Nominal ratings

Operating voltage	U_B	6 ... 30 V DC
Switching frequency	f	0 ... 5 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 4.5 V DC
Operating current	I_L	2 ... 100 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	≤ 0.6 mA
Switching state indicator		LED, red
Mag. Field strength, AC fields		250 mT
Mag. Field strength, DC fields		250 mT

Ambient conditions

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

Connection type	Cable connector M12 x 1, 4-pin with TPE Cable, 850 mm
Housing material	Xylan coated - Stainless steel 1.4305 / AISI 303
Sensing face	Xylan coated - Stainless steel 1.4305 / AISI 303
Degree of protection	IP67

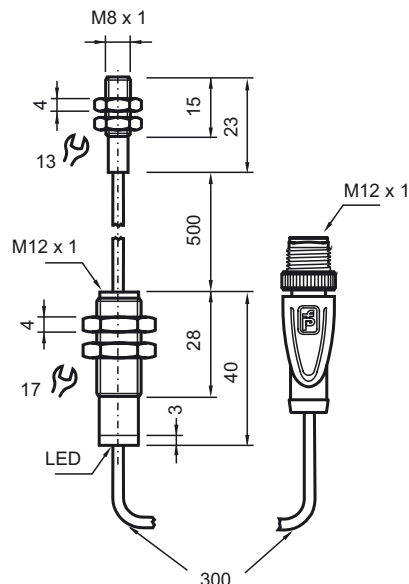
Compliance with standards and directives

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

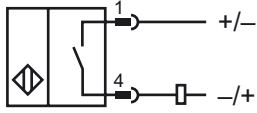
Approvals and certificates

UL approval	cULus Listed, General Purpose
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)