

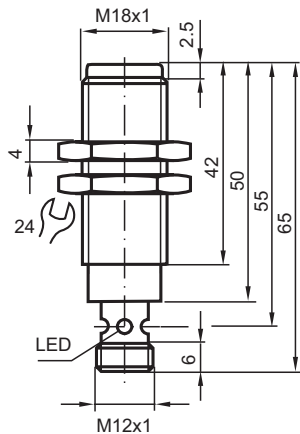
Inductive sensor
NMB10-18GM65-E2-V1



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



Dimensions



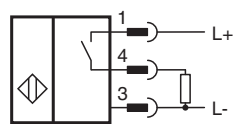
Technical Data

General specifications			
Switching function		Normally open (NO)	
Output type		PNP	
Rated operating distance	s_n	10 mm	
Installation		flush (Requirements: see drawing below)	
Output polarity		DC	
Assured operating distance	s_a	0 ... 8.1 mm	
Actuating element		Ferrous and nonferrous targets	
Reduction factor r_{Al}		0.4	
Reduction factor r_{Cu}		0.25	
Reduction factor r_{304}		0.85	
Reduction factor r_{S137}		1	
Nominal ratings			
Operating voltage	U_B	10 ... 30 V DC	

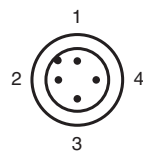
Technical Data

Switching frequency	f	0 ... 240 Hz
Hysteresis	H	3 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U _d	≤ 2 V
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
Functional safety related parameters		
MTTF _d		847 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
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
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

Connection



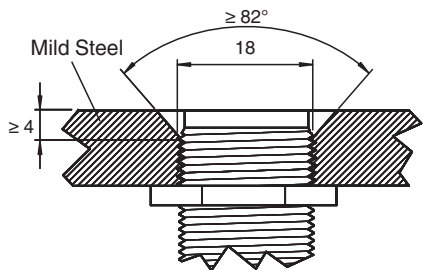
Connection Assignment



Wire colors in accordance with EN 60947-5-2

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

Mounting



Sensor face is flush with mounting surface.

Accessories

	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	AB-18	Mounting aid