

# Inductive sensor

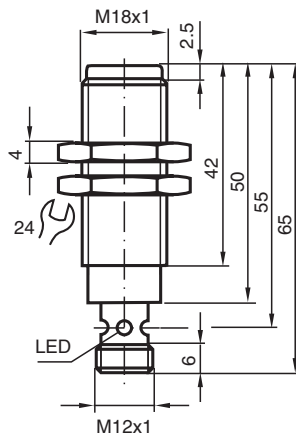
## NMB10-18GM65-Z9-V1



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



### Dimensions



### Technical Data

#### General specifications

Switching function		Normally open (NO)
Output type		Two-wire
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
Output type		2-wire

#### Nominal ratings

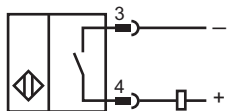
Operating voltage	$U_B$	6 ... 30 V DC
Switching frequency	$f$	200 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %
Reverse polarity protection		reverse polarity-conductive

Release date: 2025-06-06 Date of issue: 2025-06-06 Filename: 912735\_eng.pdf

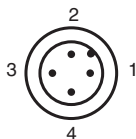
## Technical Data

Short-circuit protection		pulsing
Voltage drop	$U_d$	< 3 V
Operating current	$I_L$	2 ... 200 mA
Off-state current	$I_r$	≤ 400 μA
Switching state indicator		LED, yellow
<b>Compliance with standards and directives</b>		
Standard conformity		
Standards		EN IEC 60947-5-2
<b>Approvals and certificates</b>		
UL approval		cULus Listed Circuitry: Class 2 Power Source Enclosure Type Rating: Type 1 Supply/Switching Voltage: 30 V DC Output Switching Current: 200 mA
CCC approval		CCC approval / marking not required for products rated ≤36 V
<b>Ambient conditions</b>		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
<b>Mechanical specifications</b>		
Connection type		Connector plug
Housing material		Stainless steel 1.4305 / AISI 303
Sensing face		Stainless steel 1.4305 / AISI 303
Degree of protection		IP67
Connector		
Threading		M12 x 1
Number of pins		4
Mass		55 g
Dimensions		
Length		65 mm
Diameter		18 mm

## Connection



## Connection Assignment

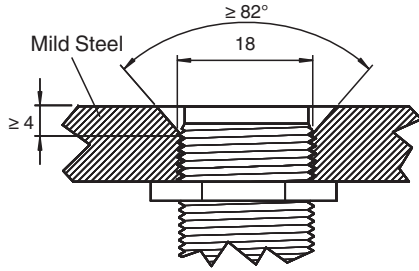


## Connection Assignment

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.