



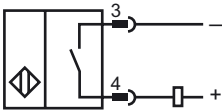
**Model Number**

NMB15-30GM65-Z9-V1

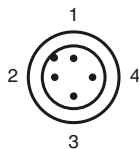
**Features**

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

**Connection**



**Pinout**



Wire colors in accordance with EN 60947-5-2

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

**Accessories**

**AB-30**

Mounting aid

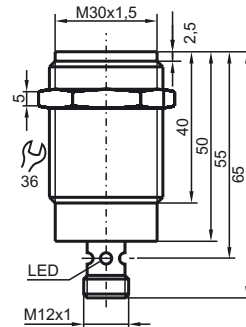
**V1-G-2M-PUR**

Cable socket, M12, 4-pin, PUR cable

**V1-W-2M-PUR**

Cable socket, M12, 4-pin, PUR cable

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	DC	NO
Rated operating distance	$s_n$	15 mm
Installation	flush (Requirements: see drawing below)	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 12.15 mm
Actuating element	Ferrous and nonferrous targets	
Reduction factor $r_{Al}$	0.4	
Reduction factor $r_{Cu}$	0.2	
Reduction factor $r_{304}$	0.85	
Reduction factor $r_{S137}$	1	

**Nominal ratings**

Operating voltage	$U_B$	6 ... 30 V
Switching frequency	$f$	150 Hz
Hysteresis	$H$	5 ... 15 typ. 10 %
Reverse polarity protection	yes	
Short-circuit protection	yes	
Voltage drop	$U_d$	< 3 V DC
Operating current	$I_L$	2 ... 100 mA
Off-state current	$I_r$	< 400 $\mu$ A

**Functional safety related parameters**

MTTF <sub>d</sub>	970 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

**Indicators/operating means**

Operating display	4-way LED Yellow: output
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**Ambient conditions**

Ambient temperature	0 ... 70 °C (32 ... 158 °F)
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**Mechanical specifications**

Connection type	M12 connector, 4-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	Stainless steel 1.4305 / AISI 303
Protection degree	IP67 / IP68 / IP69K - cordset dependent according to cable specification

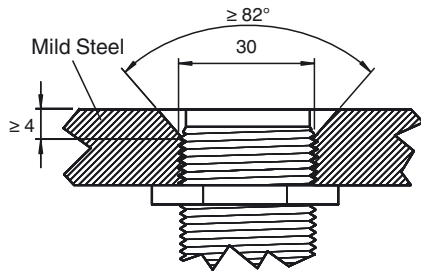
**Compliance with standards and directives**

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	Products with a maximum operating voltage of $\leq 36$ V do not bear a CCC marking because they do not require approval.

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Sensor face is flush with mounting surface.