



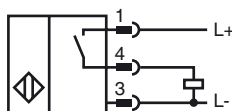
**Model Number**

NMB5-18GM65-E2-FE-V1

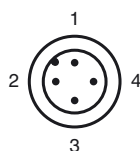
**Features**

- Stainless steel sensing face
- Sensing range 5 mm
- 3-wire DC
- Ferrous targets

**Connection**



**Pinout**



Wire colors in accordance with EN 60947-5-2

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

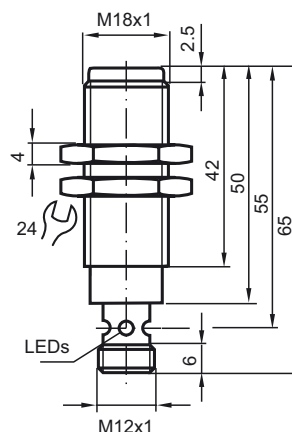
**Accessories**

**V1-W-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable

**V1-G-2M-PUR**  
Cable socket, M12, 4-pin, PUR cable

**AB-18**  
Mounting aid

**Dimensions**



**Technical Data**

**General specifications**

Switching element function	PNP	NO
Rated operating distance	$s_n$	5 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 4.05 mm
Actuating element		Ferrous targets
Reduction factor $r_{Al}$		0
Reduction factor $r_{Cu}$		0
Reduction factor $r_{304}$		0.8
Reduction factor $r_{St37}$		1

**Nominal ratings**

Operating voltage	$U_B$	10 ... 30 V DC
Switching frequency	$f$	15 Hz
Hysteresis	$H$	3 ... 15 typ. 5 %
Reverse polarity protected		yes
Short-circuit protection		yes
Voltage drop	$U_d$	$\leq 2$ V
Operating current	$I_L$	$\leq 200$ mA
Current consumption		$< 14$ mA
Off-state current	$I_r$	$\leq 10$ $\mu$ A

**Functional safety related parameters**

MTTF <sub>d</sub>	990 a
Mission Time ( $T_M$ )	20 a
Diagnostic Coverage (DC)	0 %

**Indicators/operating means**

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

Ambient temperature	-40 ... 70 °C (-40 ... 158 °F)
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**Mechanical specifications**

Connection type	Device connector M12 x 1 , 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 Standard

**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
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CSA approval  
CCC approval

cCSAus Listed, General Purpose  
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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