



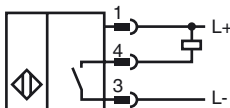
### Model Number

NMB2-12GM65-E0-NFE-V1

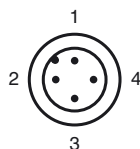
### Features

- Stainless steel sensing face
- Sensing range 2 mm
- 3-wire DC
- Nonferrous 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-G-OR2M-POC

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

#### V1-W-2M-PUR

Cable socket, M12, 4-pin, PUR cable

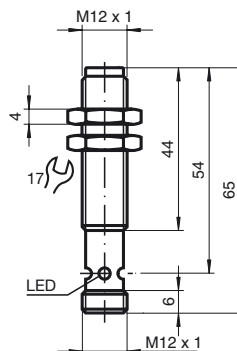
#### V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable

#### AB-12

Mounting aid

### Dimensions



### Technical Data

#### General specifications

Switching element function	NPN	NO
Rated operating distance	$s_n$	2 mm
Installation		flush
Output polarity		DC
Assured operating distance	$s_a$	0 ... 1.62 mm
Actuating element		Nonferrous targets
Reduction factor $r_{Al}$		1
Reduction factor $r_{Cu}$		1.1
Reduction factor $r_{304}$		0
Reduction factor $r_{S137}$		0
Reduction factor $r_{Brass}$		0.9

#### Nominal ratings

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

#### Indicators/operating means

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

#### Ambient conditions

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

#### Mechanical specifications

Connection type	V1 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 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.