

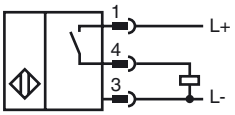
Model Number

NEN40-30GM60-E2-V1

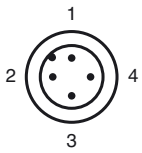
Features

- **40 mm non-flush**
- **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

BF 30
Mounting flange, 30 mm

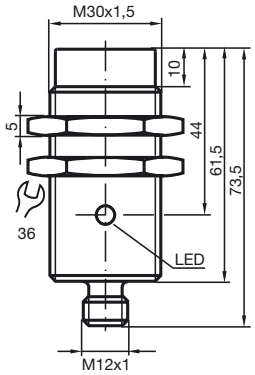
V1-G
4-pin, M12 female field-attachable connector

V1-W
4-pin, M12 female field-attachable connector

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

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

Dimensions

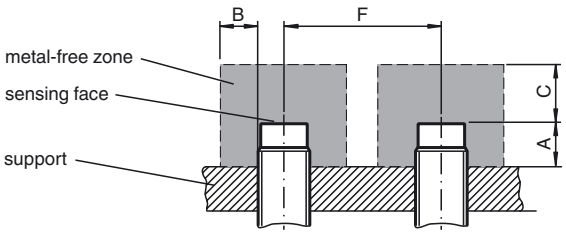


Technical Data

General specifications		
Switching element function		PNP NO
Rated operating distance	s_n	40 mm
Installation		non-flush
Output polarity		DC
Assured operating distance	s_a	0 ... 32.4 mm
Reduction factor r_{Al}		0.36
Reduction factor r_{Cu}		0.32
Reduction factor r_{304}		0.69
Nominal ratings		
Installation conditions		
A		in aluminium: 25 mm in steel 1.0037 (St37): 35 mm in brass 25 mm in stainless steel 20 mm
B		40 mm
C		120 mm
F		150 mm
Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 100 Hz
Hysteresis	H	typ. 5%
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I_L	0 ... 200 mA
Off-state current	I_r	0 ... 0.1 mA typ. 0.1 µA at 25 °C
No-load supply current	I_0	≤ 10 mA
Switching state indication		LED, yellow
Functional safety related parameters		
$MTTF_d$		211 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		Device connector M12 x 1 , 4-pin
Housing material		chromium plated brass
Sensing face		PBT
Protection degree		IP67
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		CCC approval / marking not required for products rated ≤36 V

Release date: 2013-02-14 11:50 Date of issue: 2013-02-14 102691_eng.xml

Installation conditions



Release date: 2013-02-14 11:50 Date of issue: 2013-02-14 102691_eng.xml

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