







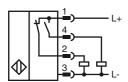
Model Number

NBB20-L2-A2-T-V1

Features

- 20 mm embeddable
- 4-wire DC
- Quick mounting bracket
- 4-way LED indicator
- Temperature range -25 ... 100 °C (-13 ... 212 °F)

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

Date of issue: 2011-08-19 213624_eng.xml

4-pin, M12 female field-attachable connector

V1-W

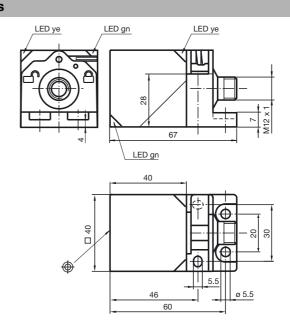
4-pin, M12 female field-attachable connector V1-G-2M-PUR

Cable socket, M12, 4-pin, PUR cable

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

Release date: 2011-08-19 10:08 MHW 01

Dimensions



Technical Data

General specifications

•			
Switching element function		PNP	NO/NC
Rated operating distance	s _n	20 mm	
Installation		embedda	able
Output polarity		DC	
Assured operating distance	sa	0 16.2	? mm
Reduction factor r _{Al}		0.33	
Reduction factor r _{Cu}		0.31	
Reduction factor r ₃₀₃		0.74	
Reduction factor r _{Brass}		0.41	

Diass		
Nominal ratings		
Operating voltage	U_B	10 30 V DC
Switching frequency	f	0 150 Hz
Hysteresis	Н	typ. 5 %
Reverse polarity protected		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 2 V
Operating current	I _L	0 200 mA
Off-state current	l _r	0 0.5 mA
No-load supply current	I ₀	≤ 20 mA
Operating voltage display		LED, green
Indication of the switching state		LED, yellow
Ambient conditions		

Ambient conditions

Ambient temperature -25 ... 100 °C (-13 ... 212 °F)

Mechanical specifications

Connection type Device connector M12 x 1, 4-pin PA PA Housing material Sensing face Protection degree IP69K 130 g

Compliance with standards and directives

Standard conformity

EN 60947-5-2:2007 Standards IEC 60947-5-2:2007

Approvals and certificates

UL approvai	culus Listed, General Purpose		
CSA approval	cCSAus Listed, General Purpose		
CCC approval	Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approval.		

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