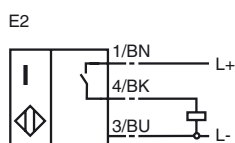


**Model Number**

NRB2-12GM45-E2-C-V1

**Features**

- Reduction factor = 1
- 2 mm embeddable
- Resistant to welding

**Connection****Accessories****BF 12**

Mounting flange

**V1-G**

Non pre-wired cable socket

**V1-W**

Non pre-wired cable socket

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

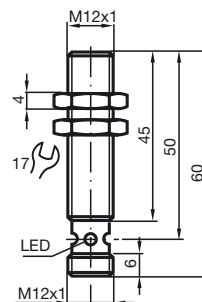
Cable connector

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

Cable connector

**EXG-12**

Mounting aid

**Dimensions****Technical Data****General specifications**

Switching element function	PNP	Make function
Rated operating distance	$s_n$	2 mm
Installation	embeddable	
Output polarity	DC	
Assured operating distance	$s_a$	0 ... 1.62 mm
Reduction factor $r_{Al}$	1	
Reduction factor $r_{Cu}$	1	
Reduction factor $r_{V2A}$	1	

**Nominal ratings**

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 200 Hz
Hysteresis	$H$	$\leq 10\%$
Reverse polarity protection	protected against reverse polarity	
Short-circuit protection	pulsing	
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
Off-state current	$I_r$	0 ... 0.5 mA typ. 0.1 $\mu$ A at 25 °C
No-load supply current	$I_0$	$\leq 15$ mA
Constant magnetic field	$B$	200 mT
Alternating magnetic field	$B$	200 mT
Indication of the switching state	Multihole-LED, yellow	

**Standard conformity**

Standards	IEC / EN 60947-5-2:2004
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**Ambient conditions**

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
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**Mechanical specifications**

Connection type	V1-connector
Housing material	brass, teflon coated
Sensing face	PPS
Protection degree	IP67