





Model Number

NBB2-8GM40-E3-V1

Features

- 2 mm flush
- · Increased operating distance
- Extended temperature range -40 ... +85 °C

Accessories

BF 8

Mounting flange, 8 mm

V1-G

Female connector, M12, 4-pin, field attachable

V1-W

Female connector, M12, 4-pin, field attachable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

EXG-08

Quick mounting bracket with dead stop

Technical Data

General specifications

 $\begin{array}{ccc} & 8~\text{mm} \times 8~\text{mm} \times 1~\text{mm} \\ \text{Reduction factor } r_{\text{Al}} & 0.4 \\ \text{Reduction factor } r_{\text{Cu}} & 0.3 \\ \text{Reduction factor } r_{304} & 0.75 \\ \text{Reduction factor } r_{\text{Brass}} & 0.45 \\ \end{array}$

Output type
Nominal ratings

Reverse polarity protection reverse polarity protected Short-circuit protection pulsing

3-wire

Functional safety related parameters

 $\begin{array}{ll} \text{MTTF}_{d} & 960 \text{ a} \\ \text{Mission Time (T}_{M}) & 20 \text{ a} \\ \text{Diagnostic Coverage (DC)} & 0 \, \% \end{array}$

Ambient conditions

Mechanical specifications

Connection type Connector plug M12 x 1 , 4-pin Housing material brass, nickel-plated Sensing face LCP

Sensing face LCP
Degree of protection IP67
Mass 20 g

General information
Scope of delivery 2 hex nuts included

Compliance with standards and

directives

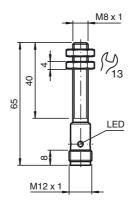
Standard conformity
Standards FN 60947-

Standards EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012

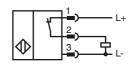
Approvals and certificates

UL approval cULus Listed, General Purpose, Class 2 Power Source
CCC approval CCC approval / marking not required for products rated ≤36 V

Dimensions



Electrical Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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