



Model Number

NCB1,5-8GM50-Z1-V3

Features

- 1.5 mm flush
- 2-wire DC

Accessories

BF 8

Mounting flange, 8 mm

EXG-08

Quick mounting bracket with dead stop

V3-GM

Female connector, M8, 3-pin, field attachable

V3-GM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

V3-WM-2M-PUR

Cable socket, M8, 3-pin, PUR cable

Technical Data

General specifications

Switching element function		DC	NC
Rated operating distance	s_n	1.5 mm	
Installation		flush	
Output polarity		DC	
Assured operating distance	s_a	0 ... 1.21 mm	
Reduction factor r_{Al}		0.22	
Reduction factor r_{Cu}		0.16	
Reduction factor r_{304}		0.64	

Nominal ratings

Operating voltage	U_B	5 ... 60 V
Switching frequency	f	0 ... 1200 Hz
Hysteresis	H	1 ... 10 typ. 5 %
Reverse polarity protection		reverse polarity tolerant
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 5 V
Operating current	I_L	2 ... 100 mA
Lowest operating current	I_m	2 mA
Off-state current	I_r	0 ... 0.5 mA typ.
Switching state indicator		LED, yellow

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection type	Connector M8 x 1, 3-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	LCP
Degree of protection	IP67

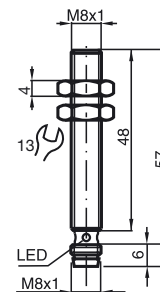
Compliance with standards and directives

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

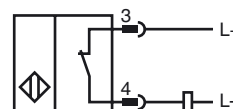
Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)

Dimensions



Electrical Connection





Pinout



Wire colors in accordance with EN 60947-5-2

1	BN	(brown)
3	BU	(blue)
4	BK	(black)