







Model Number

NCB8-18GM50-Z4-V1

Features

- 8 mm flush
- Increased operating distance
- 2-wire DC

Accessories

BF 18

Mounting flange, 18 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-18

Quick mounting bracket with dead stop

Tec	hn	ical	Data

	General specifications				
	Switching element function		DC	NO	
	Rated operating distance	s _n	8 mm		
	Installation		flush		
	Output polarity		DC		
	Assured operating distance	s _a		n (-25 70 °C (-13 158 °F)) n (-4025 °C (-4013 °F))	
	Reduction factor r _{Al}		0.4		
	Reduction factor r _{Cu}		0.4		
	Reduction factor r ₃₀₄		0.7		
	Reduction factor r _{Brass}		0.5		
	Nominal ratings				

Functional safety related parameters

 $\begin{array}{ll} \text{MTTF}_d & \text{1370 a} \\ \text{Mission Time } (T_M) & \text{20 a} \\ \text{Diagnostic Coverage (DC)} & \text{0 } \% \end{array}$

Ambient conditions

Ambient temperature -40 ... 70 °C (-40 ... 158 °F)

Mechanical specifications

Connection type Connector M12 x 1 , 4-pin
Housing material brass, nickel-plated
Sensing face PBT
Degree of protection IP67

Compliance with standards and directives

Standard conformity

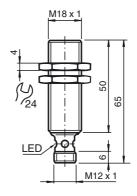
Standards EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

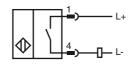
UL approval cULus Listed, General Purpose
CSA approval cCSAus Listed, General Purpose

CCC approval CCC approval / marking not required for products rated ≤36 V

Dimensions



Electrical Connection



Pinout

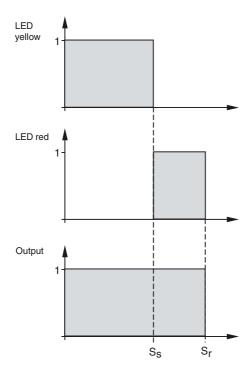


Wire colors in accordance with EN 60947-5-2

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

Installation Hint

Correlation between output signal/LED-function and stable operating distance s_s /effective operating distance s_r : (s_s typ. 80 % of s_r)



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