



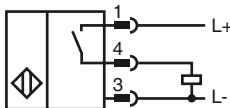
Model Number

CBB8-18GS75-E2-V1

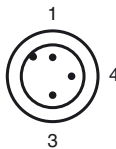
Features

- 8 mm flush
- The switching distance can be set over a wide range with the potentiometer

Connection



Pinout



Wire colors in accordance with EN 60947-5-2

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

Accessories

BF 18

Mounting flange, 18 mm

V1-W-2M-PUR

Female cordset, M12, 4-pin, PUR cable

V1-G-2M-PUR

Female cordset, M12, 4-pin, PUR cable

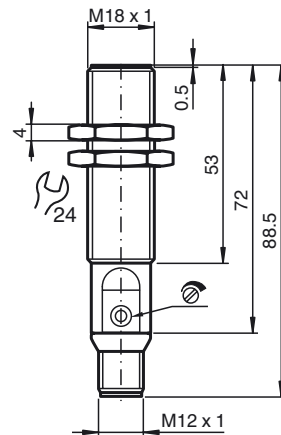
V1-W

Female connector, M12, 4-pin, field attachable

V1-G

Female connector, M12, 4-pin, field attachable

Dimensions



Technical Data

General specifications

Switching element function		PNP	NO
Rated operating distance	s_n	1 ... 8 mm	
Installation		flush	
Output polarity		DC	

Nominal ratings

Operating voltage	U_B	10 ... 30 V
Switching frequency	f	0 ... 100 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 1.5 V
Temperature drift		max. 20 % at -5 ... 55 °C (23 ... 131 °F)
Operating current	I_L	0 ... 100 mA
No-load supply current	I_0	≤ 18 mA
Time delay before availability	t_v	≤ 300 ms

Indicators/operating means

LED green	Operating display
LED yellow	indication switching state
Potentiometer	sensitivity adjustment

Ambient conditions

Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
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Mechanical specifications

Connection type	Connector M12 x 1, 3-pin
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Protection degree	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
CCC approval	CCC approval / marking not required for products rated ≤ 36 V