

Capacitive sensor

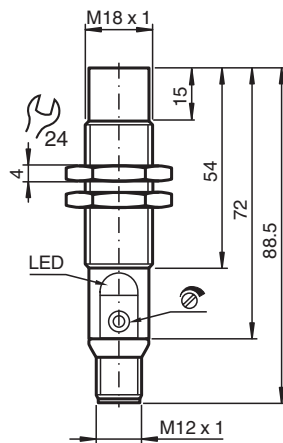
CBN15-18GK75-E2-V1



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



Dimensions



Technical Data

General specifications		
Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	2 ... 15 mm
Installation		non-flush
Output polarity		DC
Output type		3-wire
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	≤ 15 mA
Time delay before availability	t_v	max. 300 ms

Release date: 2022-05-23 Date of issue: 2022-05-23 Filename: 237043_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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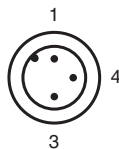
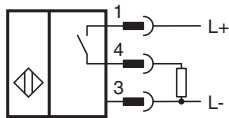
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PEPPERL+FUCHS

Technical Data

Indicators/operating means	
LED green	Operating display
LED yellow	indication switching state
Potentiometer	sensitivity adjustment
Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007
Approvals and certificates	
Protection class	II
UL approval	cULus Listed, General Purpose
CCC approval	CCC approval / marking not required for products rated ≤36 V
Ambient conditions	
Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications	
Connection type	Connector plug M12 x 1 , 3-pin
Housing material	PBT
Sensing face	PBT
Degree of protection	IP67



Connection



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-G-2M-PUR	Female cordset single-ended M12 straight A-coded, 4-pin, PUR cable grey

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Accessories

	<p>V1-W-2M-PUR</p>	<p>Female cordset single-ended M12 angled A-coded, 4-pin, PUR cable grey</p>
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