

- Reduction factor = 1 •
- Weld Immune •

Accessories

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

Technical Data				
General specifications				
Switching element function				
Rated operating distance	s _n			
Installation				
Output polarity				
Assured operating distance	sa			
Reduction factor r _{AI}				
Reduction factor r _{Cu}				
Reduction factor r ₃₀₄				
Reduction factor r _{St37}				
Nominal ratings				
Operating voltage	UB			
Switching frequency	f			
Hysteresis	Н			
Reverse polarity protection				
Short-circuit protection				
Voltage drop	Ud			
Rated insulation voltage	U _{BIS}			
Operating current	۱L			
Off-state current	l _r			
No-load supply current	lo			
Time delay before availability	t _v			
Operating voltage indicator				
Switching state indicator				
Functional safety related parameters				
MTTF _d				
Mission Time (T _M)				
Diagnostic Coverage (DC)				
Ambient conditions				
Ambient temperature				

Mechanical specifications

- Connection type Housing material Sensing face Housing base Degree of protection
- Compliance with standards and directives
- Standard conformity
- Standards
- Approvals and certificates
- UL approval
- CSA approval CCC approval

Dimensions

	PNP	NO			
ı	50 mm				
	flush				
	DC				
1	0 40.5 mm				
	1				
	1				
	1				
	1				
в	10 30 V DC				
-	0 1 Hz				
	typ. 3 %				
	reverse polar	ity protected			
	pulsing				
d	≤3 V				
BIS	50 V				
	0 200 mA				
	0 0.5 mA				
	≤ 20 mA				
	≤ 300 ms				
	LED, green				
	LED, yellow				
	944 a				
	20 a				
	0 %				

0 ... 50 °C (32 ... 122 °F) (± 10 % changing operating distance) -25 ... 70 °C (-13 ... 158 °F) (± 20 % changing operating distance)

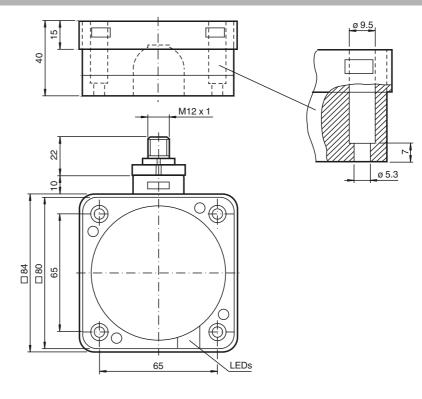
Connector M12 x 1 , 4-pin PBT/metal PBT, PTFE coated PBT IP68

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

cULus Listed, General Purpose cCSAus Listed, General Purpose CCC approval / marking not required for products rated ≤36 V

PEPPERL+FUCHS

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

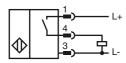
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Electrical Connection



Pinout



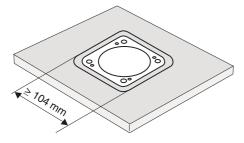
Wire colors in accordance with EN 60947-5-2

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

Installation Hint

These sensors are particularly suitable for embedded installation in floor conveyor systems. The installation of the switch in a metal base plate provides it with considerable protection against mechanical damage. Care should be taken to ensure that the cut out in the base plate is at least 104 mm x 104 mm and that the sensor is positioned centrally within this cut out. The active surface of the sensor must not be recessed with respect to the front face of the base plate.

The high switching distance guarantees safe detection and thus control of the floor conveyor system.



Caution! After removal of the metal screen the proximity switch can no longer be

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