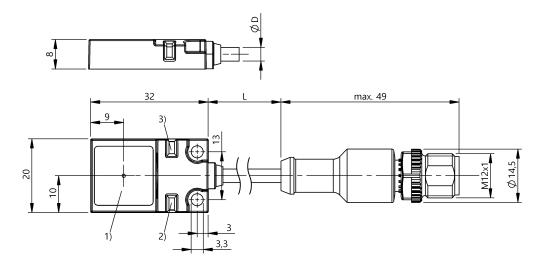
BES R01ZC-PAC70B-BP01.5-GS04

Order Code: BES03ZU





1) Sensing surface, 2) LED green, 3) LED yellow









Basic features	
Approval/Conformity	cULus CE UKCA WEEE
Basic standard	IEC 60947-5-2
Display/Operation	
Function indicator	yes
Power indicator	yes
Electrical connection	
Cable diameter D	3.80 mm
Cable length L	1.5 m
Connection	M12x1-Male, 4-pin, A-coded
Connection type	Cable with connector, 1.50 m, PUR
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	15 mA
No-load current lo max., undamped	15 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + D
Rated insulation voltage Ui	75 V DC
Rated operating current le	200 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	20 ms
Residual current Ir max.	80 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	150 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-2570 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67
Functional safety	

675 a

MTTF (40 °C)

BES R01ZC-PAC70B-BP01.5-GS04 Order Code: BES03ZU



Interface

Switching output PNP normally open/normally closed (NO/NC)

PA 12

Material

Housing material Zinc, Die casting

Material jacket PUR

Material sensing surface

Mechanical data

 $\begin{array}{lll} \textbf{Dimension} & 32 \times 20 \times 8 \text{ mm} \\ \textbf{Installation} & \text{for flush mounting} \\ \textbf{Size} & 32 \times 20 \times 8 \\ \end{array}$

Range/Distance

Assured operating distance Sa 5.6 mm

Hysteresis H max. (% of Sr) 15.0 %

Rated operating distance Sn 7 mm

Real switching distance sr 7 mm

Repeat accuracy max. (% of Sr) 5.0 %

Temperature drift max. (% of Sr) 10 %

Tolerance Sr ±10 %

Remarks

The sensor is functional again after the overload has been eliminated.

LED yellow: Function

LED green: Power

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings



Wiring Diagrams (Schematic)

