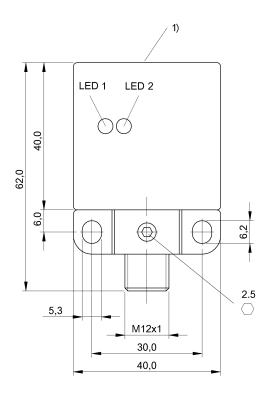
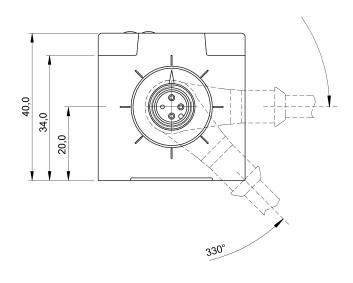
# BES Q40KFU-PAC15A-S04G Order Code: BES022K

# **BALLUFF**





# 1) Sensing surface











# **Basic features**

Additional features	Factor 1
Approval/Conformity	CE
	cULus
	EAC
	WEEE
Basic standard	IEC 60947-5-2
Trademark	Factor 1
Display/Operation	
Function indicator	yes
Function indicator  Power indicator	yes yes
	,
	,
Power indicator	,
Power indicator  Electrical connection	yes
Power indicator  Electrical connection  Connection	yes  M12x1-Male, 4-pin, A-coded

## **Electrical data**

1 μF
100 kA/m
0 4
0 mA
20 mA
15 mA
1030 VDC
33.0 kOhm + D
II
250 V AC
200 mA
24 V
100 A
30 ms
80 μΑ
15 %
400 Hz
DC -13
2.5 V

### **Inductive Sensors**

# BES Q40KFU-PAC15A-S04G Order Code: BES022K



#### **Environmental conditions**

Ambient temperature -25...70 °C

Contamination scale 3

**EN 60068-2-27, Shock** Half-sinus, 30 g<sub>n</sub>, 11 ms

EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

IP rating IP6

Magnetic field immune magnetic field immune (AC/DC)

**Functional safety** 

MTTF (40 °C) 520 a

Interface

Switching output PNP normally open/normally

closed (NO/NC)

Material

Housing material PBT

Material sensing surface PBT

Mechanical data

**Size** 40x40

Range/Distance

Assured operating distance Sa 12.2 mm

Hysteresis H max. (% of Sr) 15.0 %

Rated operating distance Sn 15 mm

Real switching distance sr 15 mm

Repeat accuracy max. (% of Sr) 5.0 %

Temperature drift max. (% of Sr) 10 %

Tolerance Sr ±10 %

#### Remarks

LED 1: Function

LED 2: Operating voltage

Switching distance and tolerance data apply to the sensing surface location shown.

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

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**

