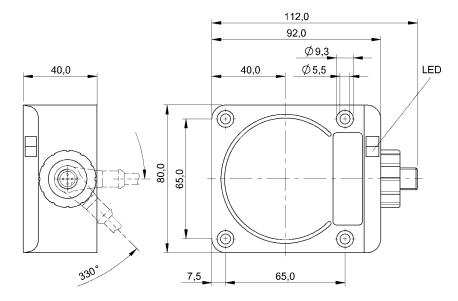
### BES Q80KA-PAC50B-S04Q-U Order Code: BES030C

# BYLLUFF











Racio	features
Dasic	reatures

Approval/Conformity CE cULus

WEEE

Basic standard IEC 60947-5-2

Display/Operation

Function indicator yes Power indicator yes

**Electrical connection** 

Connection M12x1-Male, 4-pin, A-coded Polarity reversal protected yes

Protection against device mix-ups yes Short-circuit protection yes

Electrical data

Load capacitance max. at Ue 0.5 µF No-load current lo max., damped 20 mA Operating voltage Ub 10...36 VDC Protection class Ш Rated insulation voltage Ui 250 V AC Rated operating current le 250 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 20 ms Switching frequency 70 Hz DC -13 Utilization category Voltage drop static max. 2.5 V

#### **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 IP67

Functional safety

MTTF (40 °C) 1160 a

Interface

Switching output PNP normally open/normally

closed (NO/NC)

Material

PPE Housing material Material sensing surface PPE

Mechanical data

Dimension 112 x 80 x 40 mm Installation for flush mounting

Size 80x80

#### **Inductive Sensors**

## BES Q80KA-PAC50B-S04Q-U Order Code: BES030C



Range/Distance

Assured operating distance Sa40.5 mmHysteresis H max. (% of Sr)20.0 %Rated operating distance Sn50 mm

#### Remarks

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

LED yellow: Function

LED green: Power

Housing resistant to weld spatter

For non-flush installation the switching distance is reduced by up to 5.5 mm.

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 3 4

# Wiring Diagrams

