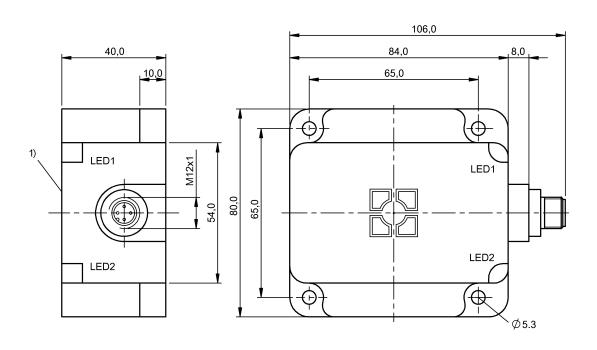


# BES Q80KA-PAH40B-S04Q BES0225



1) Sensing surface

# C€ □ EH[

Display/Operation

Internet

Balluff USA

Balluff China

Balluff Germany

Function indicator	yes
Power indicator	yes
Electrical connection	
Connection	M12x1-Connector, 4-pole, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes
Electrical data	
Hysteresis H max. (% of Sr)	15.0 %
Load capacitance max. at Ue	0.5 μF
MTTF (40 °C)	455 a
No-load current lo max., undamped	12 mA
Operating voltage Ub	1055 VDC
Output resistance Ra	33.0 kOhm + D/33.0 kOhm + D
Pollution degree	3
Protected against miswiring	yes
Rated insulation voltage Ui	250 V AC
	200 mA

Ambient temperature	-2570 °C
Protection class	II
Protection type IEC 60529	IP67
Functional safety	
Diagnostic coverage	0 %
Functional safety	no
Mission Time	20 a
General data	
Approval/Conformity	CE

24 V

100 A

5.0 %

20 μΑ

50 Hz

DC -13

2.5 V

100 ms

Rated operating voltage Ue DC

Repeat accuracy max. (% of Sr)

Rated short circuit current

Residual current Ir max.

Voltage drop static max.

Ready delay tv max.

Switching frequency

Utilization category



## BES Q80KA-PAH40B-S04Q BES0225

IEC 60947-5-2 Basic standard Material PBT, GF30 Housing material Material sensing surface PBT, GF30 Mechanical data 106 x 80 x 40 mm Dimension Installation for flush mounting Tightening torque 3 Nm Output/Interface PNP Normally open/Normally closed (NO/NC) Switching output

### Range/Distance

Assured operating distance Sa 32 mm Range 40 mm Rated operating distance Sn 40 mm Ripple max. (% of Ue) 10 % Temperature drift max. (% of Sr) 10 %

#### Remarks

LED 1: Function

LED 2: Operating voltage

Shielded: See installation instructions for inductive sensors with extended

range 851745.

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

For further information on MTTF/B10d, please refer to the MTTF / B10d Certifi-

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

#### Connector view



## Wiring Diagram

