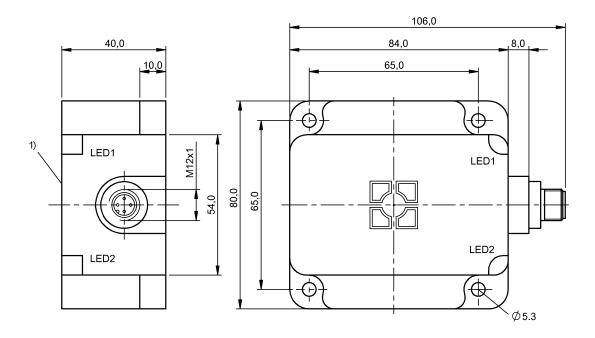
BALLUFF

BES Q80KA-PAH50F-S04Q BES0226



1) Sensing surface

CE 🗆 ER[

Display/Operation

Function indicator	yes
Power indicator	yes

Electrical connection

M12x1-Connector, 4-pole, A- coded	

Electrical data

Hysteresis H max. (% of Sr)
Load capacitance max. at Ue
MTTF (40 °C)
No-load current lo max., undamped
Operating voltage Ub
Output resistance Ra
Pollution degree
Protected against miswiring
Rated insulation voltage Ui
Rated operating current le DC

Internet Balluff Germany Balluff USA Balluff China 15.0 % 0.5 μF 785 a 12 mA 10...55 VDC 33.0 kOhm + D/33.0 kOhm + D 3 yes 250 V AC 200 mA

www.balluff.com +49 (0) 7158 173-0, 173-370 1-800-543-8390 +86 (0) 21-50 644131

Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	150 ms
Repeat accuracy max. (% of Sr)	5.0 %
Residual current Ir max.	20 µA
Switching frequency	50 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

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 EAC	
For definitions of terms, see main catalog	eCl@ss 9.1: 27-27-01-01	1(2)

Subject to change without notice

eCl@ss 9.1: 27-27-01-01 ETIM 6.0: EC002714 BES0226_09-03-17_17:58

BES Q80KA-PAH50F-S04Q BES0226

BVLLAL

Basic standard	IEC 60947-5-2	Range/Distance	
Material		Assured operating distance Sa Range	40 mm 50 mm
Housing material	PBT, GF30	Rated operating distance Sn	50 mm
Material sensing surface	PBT, GF30	Ripple max. (% of Ue)	10 %
		Temperature drift max. (% of Sr)	10 %
Mechanical data			
Dimension	106 x 80 x 40 mm	Remarks	
Installation	non-flush	LED 1: Function	
Tightening torque	3 Nm	LED 2: Operating voltage The sensor is functional again after the Not for flush mounting: See installation	
Output/Interface		extended range 852637.	
Switching output	PNP Normally open/Normally closed (NO/NC)	For further information on MTTF/B10d, please refer to the MTTF / B10d Certicate. Specification of the MTTF value and the B10d value do not represent any birding quality and/or life expectancy guarantees.	
Connector view			

Wiring Diagram

