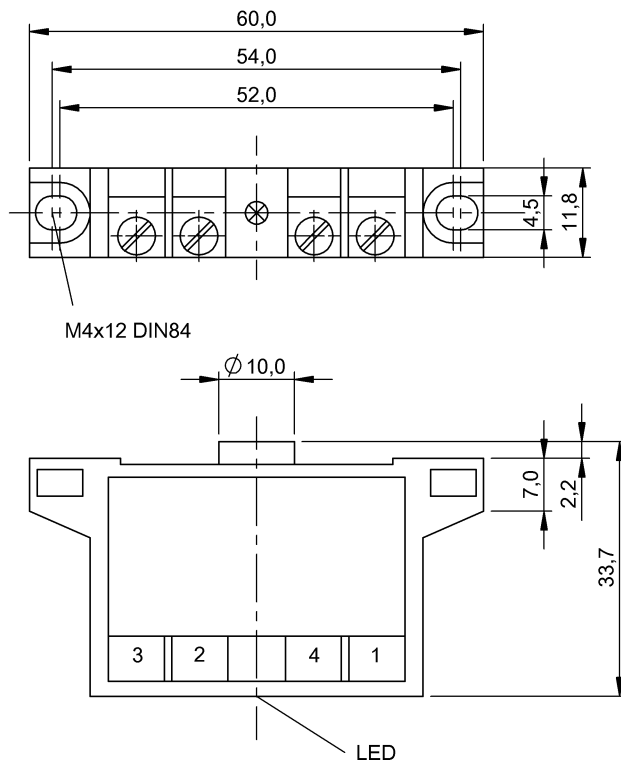


**BES 516-110-D-RK**  
**Ordering code: BES03J8**  
**11,8x60x33,7 mm**

**DC, direct current**  
**PNP/NO/NC**  
**2,2 mm**  
**Flush (shielded)**

**BALLUFF**  
*sensors worldwide*



#### **Kenndaten**

Assured operating distance Sa	1,8 mm
Eff. switching distance Sr	2,2 mm
Tolerance Sr	±10 %
Hysteresis H max. (in % of Sr)	15 %
Repeat accur. R max. (% of Sr)	5 %
Ambient temperature	-25...70 °C
Temp. drift max. (% of Sr)	10%
Switching freq. f max.	1000 Hz
Ready delay tv max.	10 ms
Utilisation category	DC 13
Function indicator	Yes
Protected against polarity reversal	Yes
Degree of protection as per IEC 60529	IP67
Principle of operation	Inductive

#### **Elektrische Daten**

Operating voltage	10...30 V DC
Ripple max. (% of Ue)	10 %
Rated operating voltage Ue DC	24 V
Voltage drop static max.	1,2 V
Rated insulation voltage Ui	75 DC V
Effective operating current Ie	400 mA
No-load current Io damped	30 mA

No-load current Io undamped	30 mA
Off-state current Ir max.	110 µA
Minimum operating current Im	0 mA
Rated short circuit current	100 A
Output resistance Ra	2.2k + D + LED / 4.7k + D
Load capacitance max. (at Ue)	1 µF

#### **Mechanische Daten**

Connection type	Screw terminal
Wire cross-section max.	2.5 mm <sup>2</sup>
Housing material	PA 12
Sensing surface material	PA 12
Shock rating	Shock, half-sinus, 30 gn, 11ms
Vibration rating	55 Hz, 1 mm ampl., 3x30 min
Degree of contamination	3
Tightening torque for clamping	0,5 Nm

#### **Grunddaten**

Basic standard	IEC 60947-5-2
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#### **Bemerkungen**

Contents: Element, screws, spring, spacer.  
 Code DH

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