BES 517-110-RK
Order code: BES02MM

Inductive sensor

11,8 mm x 60,0 mm x 63,2 mm

DC, direct current
PNP / NO/NC
Sn = 2,00 mm
Flush (shielded)

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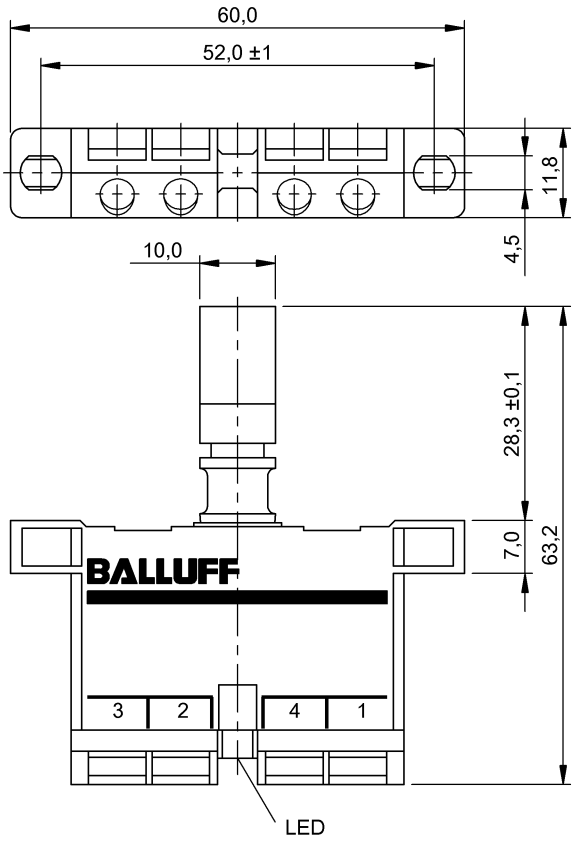
sensors worldwide



Sensing data

Eff. operating distance Sr	2,00 mm
Tolerance Sr	±10 %
Assured operating distance Sa	1,60 mm
Hysteresis H max. (in % of Sr)	15,0 %
Repeat accur. R max. (% of Sr)	5,0 %
Ambient temperature Ta min.	-25 °C
Ambient temperature Ta max.	70 °C
Temp. drift max. (% of Sr)	10 %
Switching freq. f max. (at Ue)	1 500 Hz
Ready delay tv max.	10 ms
Utilization category	DC 13
Function indicator	Yes
Power indicator	No
Additional features	EEL/code PA

Electrical data

Eff. operating voltage Ue DC	24,0 V
Operating voltage UB min. DC	10,0 V
Operating voltage UB max. DC	60,0 V
Ripple max. (% of Ue)	15 %
Voltage drop static max.	1,5 V
Rated insulation voltage Ui	75 DC
Eff. operating current Ie	200 mA
Minimum operating current Im	0 mA
No-load current Io damped	15,0 mA
No-load current Io undamped	12,0 mA
Off-state current Ir max.	50 µA
Short circuit protected	Yes
Protected against miswiring	Yes
Polarity reversal protected	Yes
Rated short circuit current	100 A
Output resistance Ra	33.0k + D
Load capacitance max. (at Ue)	0,500 µF

Mechanical data

Housing material	PA 12
Sensing face material	PA 12
Tightening torque	0.5 Nm
Connection type	Screw terminal
Wire cross-section max.	1.5 mm²
Enclosure Type per IEC 60529	IP67 only installed in RGT
Shock rating	Shock, half-sinus, 30 gn, 11ms
Vibration rating	55 Hz, 1 mm ampl., 3x30 min
Degree of contamination	3

Approval

Approvals	CE

Remarks

The sensor is functional again after the overload has been eliminated.
Insert element must be installed in aluminum housing.

Basic standard	IEC 60947-5-2

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Balluff USA : 1-800-543-8390
Balluff China : +86 (0) 21-50 644131

Print Date: 14.10.2010
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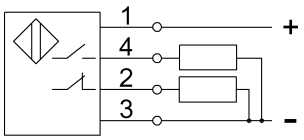
Definitions see general catalog

Subject to change without notice.



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