

BES 516-3007-G-E4-C-S4-00,3

Order code: BES00JA

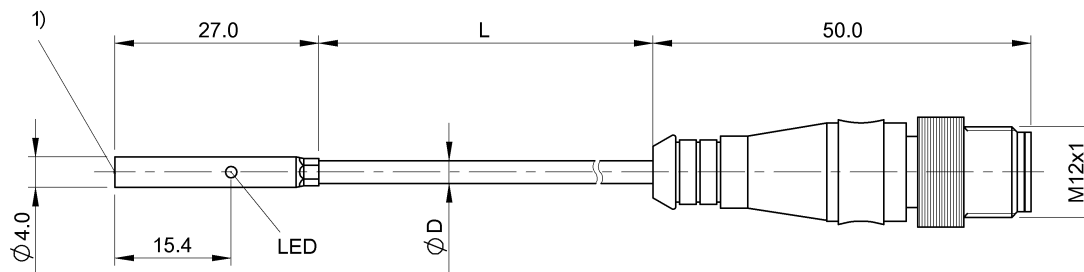
Inductive sensor

D04.0 x 27.0 mm

DC, direct current
PNP / Normally open (NO)
Sn = 1.50 mm
Flush (shielded) ■■

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1) Active surface

Sensing data

Eff. operating distance Sr	1.50 mm
Tolerance Sr	±10 %
Assured operating distance Sa	1.20 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)	3,000 Hz
Ready delay tv max.	25 ms
Utilization category	DC 12
Function indicator	Yes
Power indicator	No

Electrical data

Eff. operating voltage Ue DC	24.0 V
Operating voltage UB min. DC	10.0 V
Operating voltage UB max. DC	30.0 V
Ripple max. (% of Ue)	10 %
Voltage drop static max.	3.0 V
Rated insulation voltage Ui	75 DC
Eff. operating current Ie	100 mA
Minimum operating current Im	0 mA
No-load current Io damped max.	10.0 mA
Max. no-load cur. Io undamped	3.0 mA
Off-state current Ir max.	80 µA
Short circuit protected	Yes
Protected against miswiring	Yes
Polarity reversal protected	Yes

Rated short circuit current	100 A
Output resistance Ra	Open collector
Load capacitance max. (at Ue)	0.200 µF

Mechanical data

Housing material	Stainless steel
Sensing face material	PBT
Connection type	Cable with connector
Cable jacket material	PUR
Cable diameter D max.	3.0 mm
Cable short description	LiY11Y-O
Cable length	0.30 m
Connector type	M12x1-S04
Recommended connector	BKS-_19 BKS-_20
Enclosure Type per IEC 60529	IP67
Shock rating	Shock, half-sinus, 30 gn, 11ms
Vibration rating	55 Hz, 1 mm ampl., 3x30 min
Degree of contamination	3

Approval

Approvals / Conformity	CE cULus
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Remarks

The sensor is functional again after the overload has been eliminated.
Embeddable: See installation notes for inductive sensors with extended switching distance 825357.
Basic standard IEC 60947-5-2



Definitions see general catalog

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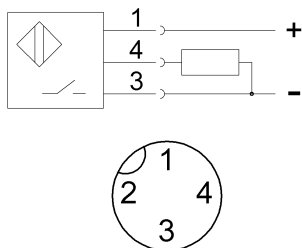
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Subject to change without notice.



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