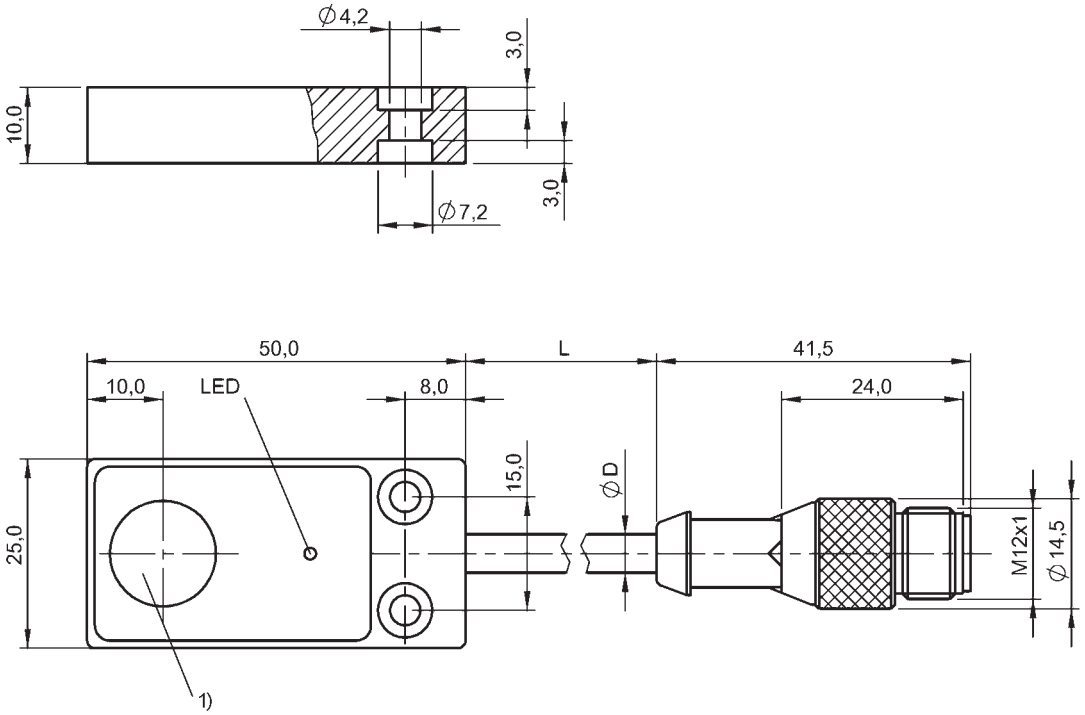
BES 516-133-MO-C-S4-00,2
BES0153

BALLUFF
sensors worldwide



1) Active surface

- **PNP**
- **NO/NC**
- **5.00 mm**
- **Flush (shielded)**

- **Cable with connector, PUR, 0.20 m M12x1-S04**

CE

General attributes

Approvals / Conformity	CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	No
Short circuit protected	Yes

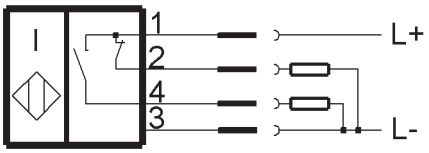
Electrical attributes

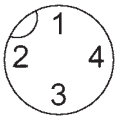
Connection type	Cable with connector
Eff. operating current Ie	200 mA
Eff. operating voltage Ue DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at Ue)	1.000 µF
Max. no-load cur. Io undamped	15.0 mA
Minimum operating current Im	0 mA
No-load current Io damped max.	32.0 mA
Operating voltage UB max. DC [V]	30.0 V
Operating voltage UB min. DC [V]	10.0 V
Rated insulation voltage Ui	75 VDC
Rated short circuit current	100 A
Ripple max. (% of Ue)	15 %
Switching freq. f max. (at Ue)	500 Hz
Switching function	NO/NC
Switching output	PNP
Voltage drop static max.	2.5 V

Mechanical attributes

Ambient temperature Ta max.	70 °C
Ambient temperature Ta min.	-25 °C
Assured operating distance Sa	4.00 mm
Cable diameter D max.	5.1 mm
Cable jacket material	PUR
Cable length	0.20 m
Connector type	M12x1-S04
Depth	10.0 mm
Eff. operating distance Sr	5.00 mm
Height (small side)	25.0 mm
Housing material	GD-AlSi12
Mech. installation condition	Flush (shielded)
Rated operating distance Sn [mm]	5.00 mm
Sensing face material	PBT
Width (long side)	50.0 mm

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


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