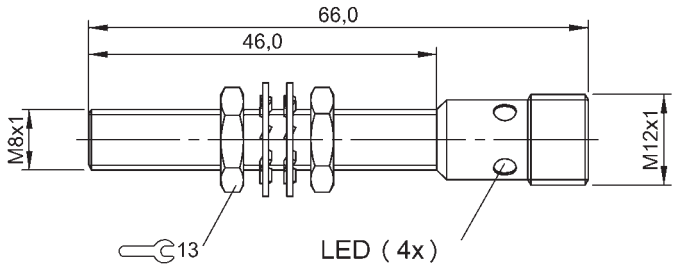
Inductive sensor

BES M08MH1-PSC30B-S04G
BES02W9

BALLUFF
sensors worldwide



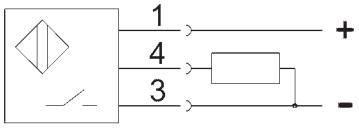
- **PNP**
- **Normally open (NO)**
- **3.00 mm**
- **Quasi embeddable**
- **Connector, M12x1-S04**

General attributes

Approvals / Conformity	CE cULus CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	Yes
Operating distance marking	■■■
Polarity reversal protected	Yes
Power indicator	No
Short circuit protected	Yes
Trademark	TripleProx

Electrical attributes

Connection type	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	10.0 mA
Minimum operating current Im	0 mA
No-load current Io damped max.	12.0 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)	20 %
Switching freq. f max. (at Ue)	1000 Hz



Switching function	Normally open (NO)
Switching output	PNP
Voltage drop static max.	2.0 V

Mechanical attributes

Ambient temperature Ta max.	70 °C
Ambient temperature Ta min.	-25 °C
Assured operating distance Sa	2.40 mm
Connector type	M12x1-S04
Depth	66.0 mm
Diameter d1	M08x1
Eff. operating distance Sr	3.00 mm
Housing material	CuZn
Mech. installation condition	Quasi embeddable
Mounting length	46.0 mm
Rated operating distance Sn [mm]	3.00 mm
Sensing face material	PBT
Surface protection	Chrome-plated
Tightening torque	4 Nm

Additional text

Working frequency f Oscillator :320 kHz In the range ±15 % of the working frequency may appear EMC incompatibilities.
The sensor is functional again after the overload has been eliminated.
Quasi-shielded: See installation instructions for inductive sensors with extended switching distance 825356.
With connector, e.g. BCC M425-.. total length = switch length +19 mm.

