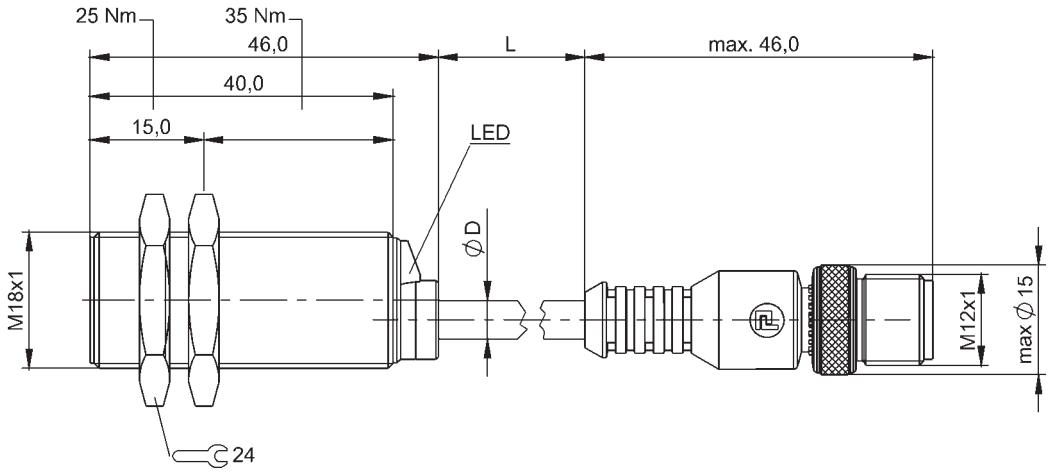
Inductive sensor

BES M18MG-GSC70B-BP00,3-GS04
BES006C

BALLUFF
sensors worldwide



- **Polarized**
- **Normally open (NO)**
- **7.00 mm**
- **Flush (shielded)**

- **Cable with connector, PUR, 0.30 m**
  M12x1-S04

LISTED IND. CONT. EQ. 81U2 for use in the secondary of a class 2 source of supply

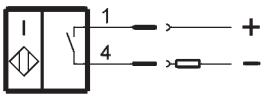
IND. CONT. EQ 81U2 for use in the secondary of a class 2 source of supply Environmental - Type 1 Enclosure

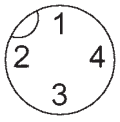
General attributes

Approvals / Conformity	CE
	cULus
	EAC
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	GLOBAL
MTTF	315 a

Electrical attributes

Connection type	Cable with connector
Eff. operating current Ie	100 mA
Eff. operating voltage Ue DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at Ue)	1.000 µF
Minimum operating current Im	5 mA
Operating voltage UB max. DC [V]	36.0 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)	600 Hz
Switching function	Normally open (NO)
Switching output	Polarized
Voltage drop static max.	4.0 V





Mechanical attributes

Ambient temperature Ta max.	70 °C
Ambient temperature Ta min.	-25 °C
Assured operating distance Sa	5.60 mm
Cable diameter D max.	5.1 mm
Cable jacket material	PUR
Cable length	0.30 m
Connector type	M12x1-S04
Depth	46.0 mm
Diameter d1	M18x1
Eff. operating distance Sr	7.00 mm
Housing material	CuZn
Mech. installation condition	Flush (shielded)
Mounting length	40.0 mm
Rated operating distance Sn [mm]	7.00 mm
Sensing face material	PA 12
Surface protection	Nickel-free coating
Tightening torque	25 Nm

Remarks

Embeddable: See installation notes for inductive sensors with extended switching distance 825357.
Specify maximum attainable switching frequency (not per IEC 60947-5-2)
The sensor is functional again after the overload has been eliminated.

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.