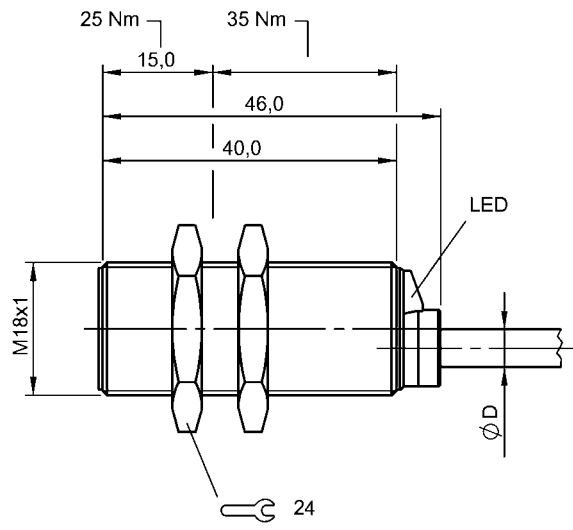


Inductive Sensors
BES M18MG-GSC70B-BP03
Order Code: BES006E



Basic features

Trademark	Global
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Display/Operation

Power indicator	no
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Electrical connection

Cable diameter D	4.60 mm
Cable length L	3 m
Conductor cross-section	0.34 mm ²
Connection type	Cable, 3.00 m, PUR
Number of conductors	2
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at U _e	1 µF
Min. operating current I _m	5 mA
Operating voltage U _b	10...36 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	100 mA
Rated operating voltage U _e DC	24 V
Rated short circuit current	100 A
Ready delay t _v max.	50 ms
Residual current I _r max.	600 µA
Ripple max. (% of U _e)	15 %
Switching frequency	600 Hz
Voltage drop static max.	4.2 V

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
IP rating	IP67

Functional safety

MTTF (40 °C)	315 a
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Interface

Switching output	polarized normally open (NO)
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Material

Housing material	Brass, Nickel-free coated
Material jacket	PUR
Material sensing surface	PA 12

Mechanical data

Dimension	Ø 18 x 46 mm
Installation	for flush mounting
Mounting length	40.00 mm
Size	M18x1

Range/Distance

Assured operating distance Sa	5.6 mm
Hysteresis H max. (% of Sr)	20.0 %
Rated operating distance Sn	7 mm

Real switching distance sr	7 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	■ ■
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Wiring Diagrams

