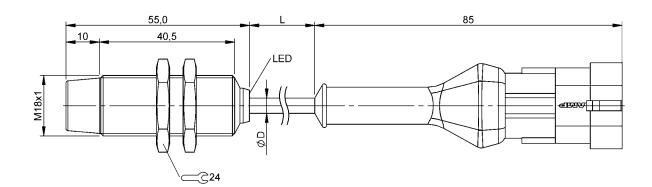
# BES M18MG-PSC16F-BP00,15-Z10 Order Code: BES05YL















Basic features	S
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Dasio reatures	
Approval/Conformity	CE UKCA
	cULus
	WEEE
Basic standard	IEC 60947-5-2
Trademark	Global
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Cable diameter D	4.60 mm
Cable length L	0.15 m

	****
Conductor cross-section	0.34 mm <sup>2</sup>
Connection	AMP SUPERSEAL 3P, 3-pin
Connection type	Cable with connector, 0.15 m, TPU
Number of conductors	3
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

#### Electrical data

Load capacitance max. at Ue	0.5 µF
Min. operating current Im	0 mA
No-load current lo max., damped	8 mA
No-load current lo max., undamped	2 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + D
Protection class	II
Rated insulation voltage Ui	250 V AC
Rated operating current le	200 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	30 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	430 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

### **Environmental conditions**

-4085 °C
3
Half-sinus, 30 g <sub>n</sub> , 11 ms
55 Hz, amplitude 1 mm, 3x30 min
IP68
IP67
587 a

## BES M18MG-PSC16F-BP00,15-Z10 Order Code: BES05YL



#### Interface

Switching output PNP normally open (NO)

#### Material

Housing material Brass, Nickel-free coated

Material jacketTPUMaterial sensing surfacePBT

#### Mechanical data

 Dimension
 Ø 18 x 55 mm

 Installation
 non-flush

 Mounting length
 40.5 mm

 Size
 M18x1

 Tightening torque
 25 Nm

#### Range/Distance

Assured operating distance Sa Hysteresis H max. (% of Sr) Rated operating distance Sn Real switching distance sr Repeat accuracy max. (% of Sr) Switching distance marking Temperature drift max. (% of Sr) Tolerance Sr 12.8 mm
15.0 %
16.0 mm
16 mm
5.0 %

15 %
±10 %

#### Remarks

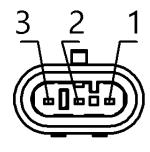
The sensor is functional again after the overload has been eliminated.

Not for flush mounting: See installation instructions for inductive sensors with extended range 939229.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## **Connector Drawings**



### Wiring Diagrams

