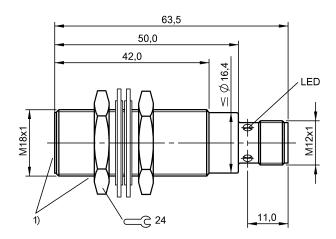
# BES M18EG1-PSC10Z-S04G-S11 **Order Code: BES02Y3**





# 1) Pressure resistant area







## **Basic features**

Approval/Conformity	CE
	cULus
	EAC
	WEEE
Basic standard	IEC 60947-5-2

# Display/Operation

Function indicator	yes
Power indicator	no

## **Electrical connection**

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

## **Electrical data**

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	16 mA
No-load current lo max., undamped	9 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	47.0 kOhm
Rated insulation voltage Ui	75 V DC
Rated operating current le	200 mA
Rated operating voltage Ue DC	24 V
Rated short circuit current	100 A
Ready delay tv max.	35 ms
Residual current Ir max.	100 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	200 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

#### **Environmental conditions**

-2570 °C
3
Half-sinus, 30 gn, 11 ms
55 Hz, amplitude 1 mm, 3x30 mir
IP67
375 a

# BES M18EG1-PSC10Z-S04G-S11 **Order Code: BES02Y3**



#### Material

Housing material	Stainless steel
Material sensing surface	Stainless steel

Mechanical data		
Dimension	Ø 18 x 63.5 mm	
Installation	quasi-flush	
Pressure rating max.	60 bar	
Pressure rating, note	Pressure-resistant	
Size	M18x1	
Tightening torque	50 Nm ±10 %	

# Output/Interface

Switching output	PNP normally open (NO)
Range/Distance	
Assured operating distance Sa	8.1 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	10 mm
Real switching distance sr	10 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	••
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

#### Remarks

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

When installing in metals the switching distance may be reduced by up to 50%. Installation Instructions 841020.

Installation permitted only in clamp without positive stop.

LED flashes between 100% and approx. 70% of Sr

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**

