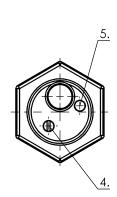
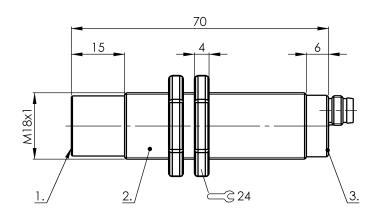
# **BCS M18VVN-PSCFAG-S49G**

**Order Code: BCS008T** 







1) Sensing surface, 2) Housing, 3) Cover, 4) Potentiometer, 5) LED function indicator





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Additional features	Electrically conductive media Foam and residue compensation
Approval/Conformity	CE cULus WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Nut (2x)
Sensitivity	media-dependent, adjustable
Series	M18

#### **Electrical connection**

Connection	M8x1-Male, 3-pin
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

#### **Electrical data**

Operating voltage Ub	1035 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	300 mA
Ready delay tv max.	300 ms
Ripple max. (% of Ue)	10 %
Switching frequency	2 Hz
Utilization category	DC -13
Voltage drop static max.	1.8 V

### **Environmental conditions**

Subject to change without notice: 367370

Ambient temperature	-1060 °C
Protection degree	IP66 IP64 at plug exit
Functional safety	
MTTF (40 °C)	239 a
Material	
Cover material	PVC
Housing material	PVC
Material sensing surface	PVC
material serising surface	1 10
material sensing surface	
Mechanical data	
-	Ø 18 x 70 mm
Mechanical data	
Mechanical data  Dimension	Ø 18 x 70 mm
Mechanical data  Dimension Installation	Ø 18 x 70 mm non-flush
Mechanical data  Dimension Installation Size	Ø 18 x 70 mm non-flush M18x1
Mechanical data  Dimension Installation Size Thread (A)	Ø 18 x 70 mm non-flush M18x1 M18x1
Mechanical data  Dimension Installation Size Thread (A)	Ø 18 x 70 mm non-flush M18x1 M18x1

#### **Capacitive Sensors**

## BCS M18VVN-PSCFAG-S49G **Order Code: BCS008T**



#### Remarks

Note for using in standard applications with aqueous media: The Smart Level sensors are factory adjusted for standard applications. With this setting the Smart Level sensors can be used without further adjustment for detecting aqueous media through glass or plastic walls. The factory setting can automatically mask glass or plastic walls (approx. 0.5 mm to 6 mm) and compensate for foam, moisture and dirt buildup inside and outside the container. Special applications: The Smart Level sensors can also be used with aqueous media in previously unsolvable and critical applications such as through glass or plastic walls thicker than 6 mm. Here the user can change the factory setting.

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**

