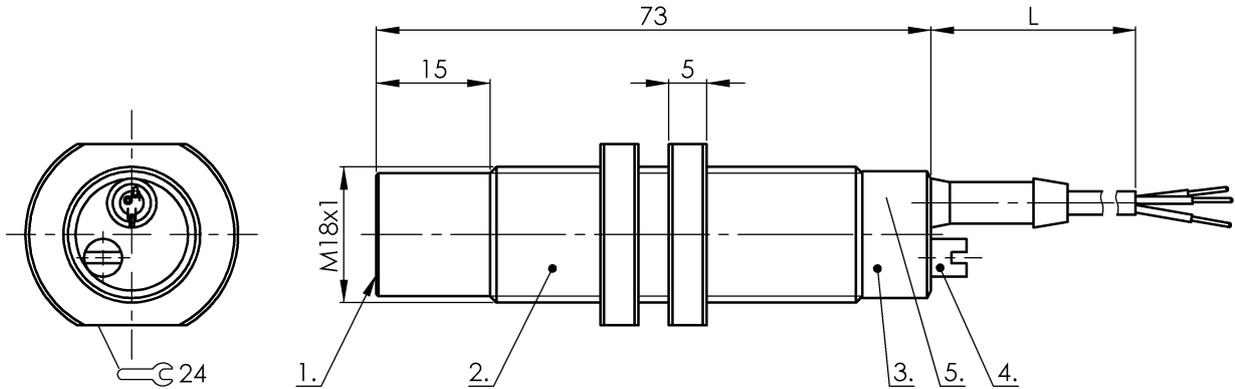


**BCS M18TTI2-PSCFAG-AT02**  
**Ordering code: BCS008A**

Capacitive sensor  
 Level Sensor  
 M18

**BALLUFF**  
*sensors worldwide*

Cable, PTFE  
 Output signal PNP, Normally open (NO)  
 non-flush



1) Active surface, 2) Housing, 3) Top cover, 4) Pot, 5) LED function indicator

**Characteristic data**

Trade name / Technology	Smartlevel
Special properties	PTFE housing
Short-circuit protected	Yes
Protected against polarity reversal	
Protected against miswiring	Yes

**Electrical data**

Electrical version	DC, direct current
Operating voltage	10...35 V DC
Effective operating current I <sub>e</sub>	300 mA
Rated insulation voltage U <sub>i</sub>	75 V DC
Voltage drop static max.	1,8 V
Ripple max. (% of U <sub>e</sub> )	10
Switching freq. f max.	2 Hz

**Mechanical data**

Number of conductors	3
Conductor cross-section	0.20 mm <sup>2</sup>
Ambient temperature	-10...60 °C
Housing material	PTFE
Sensing surface material	PTFE

Cable jacket material	PTFE
Cover material	PTFE
Tightening torque	0.5 Nm

**Basic data**

Enclosure Type per IEC 60529	IP66/IP64 on cable output
Basic standard	IEC 60947-5-2
Utilisation category	DC 13

**Remarks**

Scope of delivery  
 Application notes for water based media: The Smart Level Sensors have been adjusted in the factory for standard applications. With this setting, the Smart Level Sensors are suitable for detecting water based liquids through glass or plastic walls without any further adjustment. The factory setting can automatically mask out glass or plastic walls (approx. 0.5 mm to 6 mm), and compensates within wide limits for foam, moisture and material build up to the inside and outside of the tank concerned. Specialized applications: The Smart Level Sensors can also be used with water based liquids in hitherto insoluble and critical applications, e.g. with glass or plastic walls thicker than 6 mm. For this purpose (>,<) the factory setting can be altered by the user.



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

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