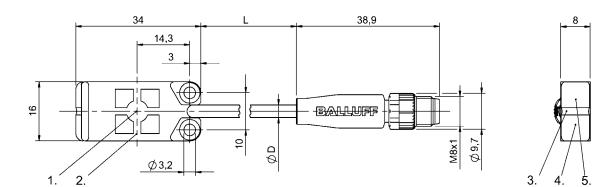
BCS R08RRE-POMFHC-EP00,3-GS75 Order Code: BCS0130

BYLLUFF



1) Sensing surface, 2) Housing, 3) Cover, 4) Power indicator green, 5) Function indicator yellow









Basic features	
Additional features	Electrically conductive media
	Foam and residue compensation
Approval/Conformity	cULus
	CE
	UKCA
	WEEE
Basic standard	IEC 60947-5-2
Scope of delivery	Holder
	Installation guide
Sensitivity	teachable depending on media
Series	R08
Display/Operation	
Function indicator	yes
Power indicator	yes
Setting	Teachable
Electrical connection	
Cable diameter D	3.4 mm
Cable length L	0.3 m
Conductor cross-section	0.14 mm ²
Connection	M8x1-Male, 4-pin
Number of conductors	4
Polarity reversal protected	yes
Protection against device mix-ups	yes

_oad capacitance max. at Ue	0.33 μF
No-load current Io max. at Ue	13.5 mA
Operating voltage Ub	1230 VDC
Rated insulation voltage Ui	75 V DC
Rated operating current le	50 mA
Rated operating voltage Ue DC	24 V
Ready delay tv max.	200 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	10 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V
Voltage drop static max. Environmental conditions	1.5 V
•	1.5 V -2570 °C
Environmental conditions	
Environmental conditions Ambient temperature	-2570 °C
Environmental conditions Ambient temperature Contamination scale	-2570 °C
Environmental conditions Ambient temperature Contamination scale IP rating	-2570 °C
Environmental conditions Ambient temperature Contamination scale IP rating Functional safety	-2570 °C 3 IP67

Short-circuit protection

Capacitive Sensors

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0.2 Nm

Material

Housing materialPPMaterial jacketPURMaterial sensing surfacePP

Mechanical data

Tightening torque

 Dimension
 34 x 16 x 8 mm

 Installation
 flush with container outer wall

 Size
 Block style

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 full calibration connect input DI to L+ for 2...7 seconds. For empty calibration connect to L+ for 7..12 seconds.

Input DI can be used for teaching the switching point. In normal operation input DI should be connected continuously to L-.

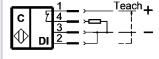
For more information about MTTF and B10d see MTTF / B10d Certificate

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



2/3

Capacitive Sensors

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