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Passion for Sensors



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CleverLevel[®] LBFH

Stay smart on level with hygienic applications.



Product overview *CleverLevel*[®] LBFH

Product highlights	Applications	Process connections	Wetted material	Process conditions
Compact level switch Low-invasive Two switching outputs 100 mA current load Bright LED visible from 360° Fast response time No moving parts	Max. / min. level control Overflow protection Leakage detection Separating layer detection Dry running protection for pumps	G1/2A hygienic	PEEK	-40 ... +115 °C 10 bar max. +135 °C max. 5 bar max. (t < 1 h)
Housing	Compliance / approvals	Electrical connections and output signals	Interfaces	Detectable media
Stainless steel IP 67 IP 69K	3-A EHEDG EU 1935/2004, 10/2011, 2023/2006 ATEX cULus	M12-A 4-pin in polycarbonate or stainless steel PNP NPN Digital (push-pull)	IO-Link 1.1 FlexProgrammer 9701 <i>qTeach</i> [®]	Oil-based media Aqueous media Powder and granules Pastes of all kinds Foamy media

CleverLevel[®] LBFH switch.

LBFH is a versatile level switch based on frequency sweep technology. Thanks to the specialized design and high-end materials such as stainless steel and PEEK, the sensor meets the highest demands in hygienic applications. The short immersion length has almost no effect on the process.

Your benefits

- The parameters can be adapted centrally and quickly via IO-Link in case of frequent media changes. That saves time and increases plant availability.
- Two switching outputs enable configuration of two trigger thresholds. This allows for two media or process steps – for example production and cleaning – to be reliably monitored with a single sensor.
- The multicolor LED visible from all directions acts as switching state indicator for convenient process control.
- The convenient *qTeach*[®] feature provides significant benefits in facilities with less sophisticated master controls. A touch with any ferromagnetic tool is all that's necessary for sensor configuration, which allows for immediate on-site adaptation to quickly changing process requirements.



CleverLevel[®] LBFH meets the requirements of 3-A Sanitary Standard, is EHEDG-certified and FDA-compliant, meets the most important industrial requirements and complies with EU directives 1935/2004, 10/2011 and 2023/2006.



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