



More than **sensors + automation**

JUMO ZELOS C01 LS

Capacitive level switch



The features at a glance

- Proven, maintenance-free measuring principle
- The unique autocalibration permanently recalibrates the product in the installed state
- Standardized and extensive configuration via IO-Link (no proprietary solution)
- Simple process control through on-site display
- Minimization of downtimes – the sensor can be updated in installed state through firmware update profile
- Suitable for CIP and SIP processes



Type 408401

Brief overview

The point level measurement is carried out according to the capacitive measuring principle. Typically valves, PLC inputs, or warning signals such as dry running of pumps are controlled. Liquids or solids can be used as a medium. From an application point of view, mixed forms or separating layers (such as between beer and foam) can also be detected. The capacitive level switch ensures ideal availability of your plant with its reliable and tested design. As part of the miniaturization and digitization trend within the field of sensor technology, the level switch ideally supports customer requests to implement more compact plants. The IO-Link interface and support of the latest profiles allow the level switch to minimize downtimes because the sensor can be updated through the firmware update profile even when installed.

Other advantages

- ▶ Customized solutions and configurations can be implemented
- ▶ PEEK tip functions as an integrated seal to reduce installation effort and facilitate easy handling
- ▶ Can be mounted with standard torque wrench SW22
- ▶ Can also be set on site to specific medium through permanent magnet ("Teach-In") without software
- ▶ Detects cleaning media or foam to support ideal production process
- ▶ Antivalent electrical circuit enables detection of line faults such as a short circuit or cable break

Technical data

Product name	JUMO ZELOS C01 LS
Type	408401
Approval	Railway technology [DIN EN 50155], DNV, ATEX, IEC Ex, WHG, UL, FDA, 3A, EHEDG
Autocalibration	Available
Status display	According to IO-Link, NE107, or customized to meet customer requirements
Self-monitoring	According to NE107 and VDI/VDE 2650
Medium temperature	-40 to +200 °C
Repeatability and hysteresis	+/- 1 mm
Output signals	PnP, nPn, push-pull, or IO-Link
Switching function	ATEX, IEC Ex [Ex i], DNV, WHG, EHEDG, 3A, UL
Materials in contact with the medium	Antivalent circuit, normally open contact, normally closed contact
Protection type	IP67 / IP69

