Transducer LS 500 for overfill prevention system LS for Ex (WHG)

Benefits

- Compact transducer in wall mounting housing
- Type-approved together with the level probes LS 300 EU, LS 300 FU oder LS 300 ESPU as part of an overfill prevention system
- Supply voltage AC 24 V or DC 24 V (option)
- Connection of additional alarm unit ZAG 01 possible
- Ex approval

Application

To avoid overfilling of stationary tanks and stationary-use tanks. Approved without list of substances for water-polluting liquids, also with flash point < 55 °C. The overfill prevention system must be set up in such a way that visual and audible alarms are triggered when the maximum permissible level is reached. The transducer must be installed outside of the hazardous area.

Versions

	Part no.
Transducer LS 500 AC 230 V	53310

Blue part no. = in-stock items

Description

Transducer with test button. Type-approved together with the level probes LS 300 EU, LS 300 FU or LS 300 ESPU as part of an overfill prevention system. The transducer supplies the level probe via an intrinsically safe circuit, evaluates the change in resistance of the PTC thermistor, continuously checks the PTC thermistor operation and monitors the system (power outage, short circuit, line interruption, etc.). Negative results cause the overfill prevention system to respond. The additional alarm unit ZAG 01 can also be connected.

Technical specifications

Operating temperature range
Ambient: -25/+50 °C

Supply voltage
AC 230 V

Nominal power
Max. 4 VA

Switching output
Relay contact: 1 x voltage-free changeover contact

Sensor current circuit (intrinsically safe)
Voltage: < DC 15.8 V
Current: < 154 mA
Power: < 600 mW

Housing
Wall mounting housing
W x H x D: 75 x 150 x 110 mm

Approval
DIBt: Z-65.11-228

EU type examination certificate
TÜV 00 ATEX 1641 Ex II (1)G [Ex ia] IIC

Option
- Supply voltage DC 24 V or AC 24 V at extra charge