GEWAS 300 FG  Water monitor in field frame for wall mounting – device without sensor
Available from the 2nd quarter of 2012

GEWAS 300 SP  Water monitor in snap-on housing for DIN rail mounting – device without sensor
Available from the 2nd quarter of 2012

Applications:
Versatile alarm and protection device for DIN rail or surface mounting with universal input (screw-type terminals) for several external sensors. Sensors with switching threshold <100 kΩ can be connected (e.g. water probes, floating switches, level probes, magnetic contacts, etc.). In case of an alarm the connected device (e.g. pump, machine) is switched off by a change-over contact. The GEWAS 300 FG additionally provides an alarm. The internal or an external push-button resets the alarm state.

The GEWAS 300 .. is especially suitable for detection of conducting media (water, etc.). It is less applicable for badly or non conducting media (oils or fatty liquids), conducting foaming liquids or media causing electrically isolating deposits on the electrodes.

Description:
The measuring method for level detection is based on the conductive principle, i.e. the electrical conductivity of the media is monitored. If the switching amplifier detects a value below the set conductivity the state “media detected” is output, otherwise “no media”.

Specifications:
- Power supply: 18 V ... 250 V AC/DC wide-range power supply
- Power consumption: < 2 VA
- 1 signal inputs:
  - Triggerring level: < 100 kΩ
  - Response time: 2 s
- 1 Relay output:
  - Contact: change-over contact, potential-free
  - Switching voltage: ≤ 250 V AC
  - Switching current: ≤ 5 A (ohmic load)
- Protection class:
  - ALSCHU 300 SP: IP20
  - ALSCHU 300 FG: IP65
- Electric connection:
  - GEWAS 300 SP: connection via screw-type terminal
  - GEWAS 300 FG: connection via 3 PG cable glands and screw terminals

Working temperature: -20 ... +60 °C
Storage temperature: -40 ... +80 °C
Condensation: not allowed

Housing:
- GEWAS 300 SP: snap-on housing for DIN rail mounting
  - 22.5 x 75 x 110 mm (W x H x D)
- GEWAS 300 FG: field frame
  - 100 x 100 x 60 mm (W x H x D) without PG cable glands

Functions / displays:
- Red / green LED: display for switching state of relay, switching state of sensors, status (supply) of device, status of battery
- Acoustic alarm: internal alarm buzzer with battery back-up (only for GEWAS 300 FG)
- Battery back-up: Monitoring and acoustic alarm are ensured even e.g. during power failures (only for GEWAS 300 FG)
- Alarm reset: alarm reset by
  - GEWAS 300 SP: connection for external push-button
  - GEWAS 300 FG: push-button at front side

Options:
- 2AA (only for GEWAS 300 FG)
  - additional alarm output, internal alarm no longer applicable

Accessories:
- GSS-1 level sensor, 2m cable
  (floating switch) for electrically non-conducting media
- GNS-1 level sensor 2-pole
  (stainless steel electrode)
- GSAS-1 magnetic contact
  plug-in and self-adhesive