

VEGACAP 98

Relay (DPDT)

Capacitive rod electrode for level detection



Area of application

The VEGACAP 98 is an adjustment-free, economical level switch for liquids and bulk solids. It is particularly suitable as overflow protection or dry run protection system in adhesive, conductive products. The VEGACAP 98 works in products from a dielectric figure of 1.5.

Advantages

- Minimum time and cost expenditure thanks to simple setup without medium
- Precise switching point event with strong buildup
- Long lifetime and low maintenance requirement through robust mechanical construction

Function

Sensor and vessel form the two electrodes of a capacitor. A capacitance change caused by a level change is evaluated by the integrated electronics and converted into a switching signal. The capacitive measuring principle has no special requirements in respect to installation and mounting.

Technical data

Sensor length	up to 2 m (6.562 ft)
Process fitting	Thread G1½, 1½ NPT
Process pressure	Unpressurized
Process temperature	-30 ... +80 °C (-22 ... +176 °F)
Ambient, storage and transport temperature	-40 ... +80 °C (-40 ... +176 °F)
Operating voltage	20 ... 253 V AC, 50/60 Hz; 20 ... 72 V DC
Power consumption	1 ... 8 VA (AC), approximately 1.5 W (DC)
Turn-on voltage	min. 10 mV, max. 253 V AC, 253 V DC
Switching current	min. 10 µA, max. 3 A AC, 1 A DC
Breaking capacity	min. 50 mW, max. 750 VA AC, 54 W DC
Switching delay	0.7 s (on/off)

Materials

The wetted materials of the instrument are completely made of PP. You will find a complete overview of the available materials and seals in the "configurator" on our homepage under www.vega.com/configurator.

Housing versions

The housings are available in plastic or Aluminium. They are available with protection ratings up to IP 67.

Electronics versions

The instruments are available with a relay output (DPDT).

Approvals

The instruments are approved as overflow protection system according to the Water Resources Act (WRA).

You can find detailed information on the existing approvals in the "configurator" on our homepage under www.vega.com/configurator.

