

VEGATOR 132

Single-channel signal conditioning instrument for point level detection for conductive sensors



Application area

The VEGATOR 132 is a double-channel signal conditioning instrument for conductive probes type EL. Applications are level detections and pump controls. In conjunction with multiple rod or cable probes, several VEGATOR 132 can be combined with a probe.

Your benefit

- Compact signal conditioning instrument with alarm function for limit level
- Two independent level detections or one min./max. control (two-point control)
- Integrated fault monitoring with LED display detects line break
- Simple mounting through carrier rail as well as detachable, coded terminals

Function

The VEGATOR 132 is a double channel limit level alarm and is mainly used for level detection in conjunction with conductive probes. All sensors of series EL can be connected. The signal circuit is permanently monitored on line break. An operating relay per channel as limit level alarm for control tasks is available as output.

Technical data

General data

Series Module unit for mounting on carrier rails
35 x 7.5 acc. to EN 50022/60715

Connection terminals

- Type of terminal Screw terminal
- Wire cross-section 0.25 mm² (AWG 23) ... 2.5 mm² (AWG 12)

Voltage supply

Operating voltage

- Nominal voltage AC 24 ... 230 V AC (-15 %, +10 %), 50/60 Hz
- Nominal voltage DC 24 ... 65 V DC (-15 %, +10 %)

Max. power consumption 2 W (8 VA)

Sensor input

- Quantity 2 x for connection of a conductive electrode
- Input type Active (sensor power supply by VEGATOR 132)

Measured value transmission Alternating voltage

Response resistor 500 Ω ... 200 kΩ, adjustable

Terminal voltage (idle state) 10 V_{ss} rectangular voltage 75 Hz

Permissible line capacitance 200 nF

Relay output

- Quantity 2 x operating relay
- Contact Floating spdt
- Switching voltage min. 10 mV DC, max. 253 V AC/50 V DC
- Switching current min. 10 μA DC, max. 3 A AC, 1 A DC
- Breaking capacity min. 50 mW, max. 500 VA, max. 54 W DC
- Switch-on/Switch-off delay
 - Basic delay 250 ms, ± 20 %
 - Adjustable delay 2/6/8 s, ± 20 %

Ambient conditions

Ambient temperature at the installation site of the instrument -20 ... +60 °C (-4 ... +140 °F)

Electrical protective measures

- Protection rating IP 20
- Overvoltage category (IEC 61010-1)
 - up to 2000 m (6562 ft) III above sea level
 - up to 5000 m (16404 ft) II above sea level
- Degree of soiling 2

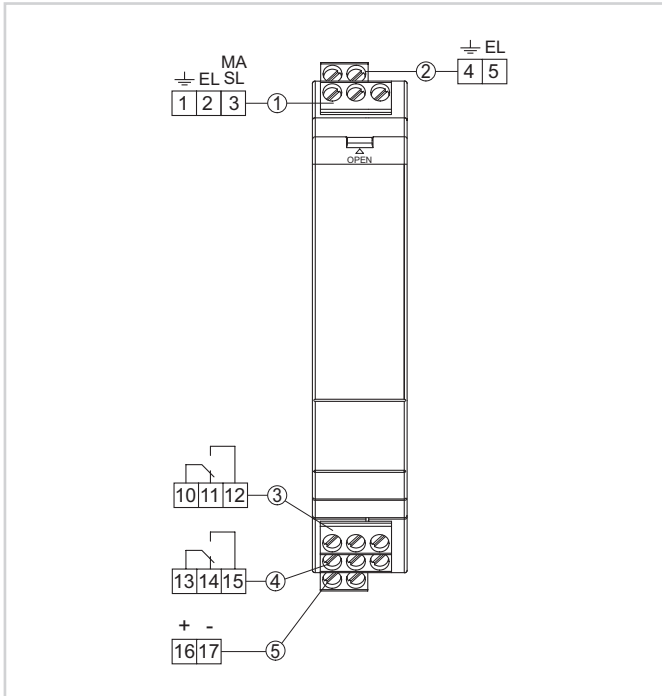
Approvals

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

Contact

You can find the VEGA agency serving your area on our homepage www.vega.com.

Electrical connection

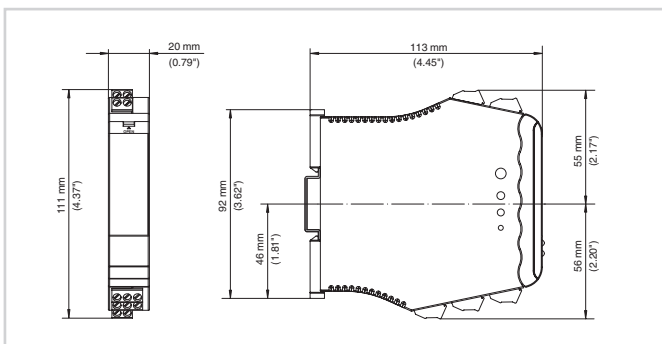


Wiring plan VEGATOR 132

- 1 Sensor circuit 1 (terminal 1 + 2)/Master/Slave connection (terminal 3)
- 2 Sensor circuit 2 (terminals 4 + 5)
- 3 Relay output 1
- 4 Relay output 2
- 5 Voltage supply

You can find details on electrical connection in the instrument operating instructions on our homepage at www.vega.com/downloads.

Dimensions



Dimensions VEGATOR 132

Information

You can find further information on the VEGA product line on our homepage www.vega.com.

In the download section under www.vega.com you'll find free operating instructions, product information, brochures, approval documents, instrument drawings and much, much more.