

FY98A249

Filling level sensors • hydrostatic

sensor filling level, hydrostatic, 1/2 inch 57long, G1/2 inch, 0-200mbar, 12-45V DC, 4-20mA, Clamp 3pin 10m Other, IP65, V4A, probe 1x Ø40mm 10000long



Filling level and level sensors operate according to different measuring principles. The selection of the sensor depends on the medium to be detected and the ambient conditions. The material flow in a vibratory bowl can be excellently queried with inductive filling level sensors whose pendulum is moved by the material in the pot. The detection of liquid or solid media is, for instance, possible with capacitive filling level sensor technology. These work according to the principle of the condensator, the medium changes the dielectricity between two electrodes. The resulting change is converted into a digital output signal. A further alternative for the detection of filling levels of conductive media is provided by conductive filling level relays. The resistance between reference and measuring electrode is determined. If a set threshold is exceeded, a relay output switches.

Electrical features

Type of analog output	4 - 20mA
Type of electrical connection	Clamped terminal connection
Measuring range pressure	0 - 0,2 bar
Number of pins	3
Voltage drop	2 V
Measurement principle	Hydrostatic
Operating voltage (DC)	11,5 - 45 V

Mechanical features

Type of process connection	G1/2 inch
Design	Round
Width	157 mm
Probe diameter	40 mm
Thread length	20 mm
Height	101 mm
Cable length	10 m
Length	57 mm
Probe length	10000 mm
Medium temperature	-20 - 70 °C
Degree of protection (IP)	IP65
Housing material	Stainless steel 1.4404
Material of cable sheath	other
Sensing element material	Stainless steel 1.4404
Thread dimension	1/2 inch
Ambient temperature	-20 - 70 °C

Other features

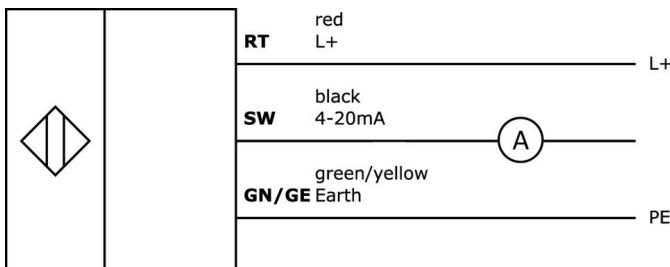
Version	Rope probe
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Classification

ETIM 8	EC001447 Level/level monitoring device
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More

IPF Product Group	350 filling level sensors (capacitive/conductive)
packaging dimensions	495 x 450 x 105 mm
gross weight	3056 g
Customs tariff number	85365019
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

Extract accessories program**AY000141**

Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

You can find further accessories on our homepage

**Installation**

Mounting / installation may only be carried out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3
ElektroG: 40951076

Safety warnings

- I** Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- I** Never use these devices in applications where the safety of a person depends on their functionality.