

FV98C602

FILLING LEVEL SENSORS • SWITCHING AMPLIFIERS

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.

MECHANICAL DATA

Degree of protection (IP)	IP54
Height	46.6 mm
Width	74.5 mm

ELECTRICAL DATA

Galvanic isolation between input and output	No
Galvanic isolation between supply voltage and all other current circuits	No
Inherently safe according to EN 60947-5-6 NAMUR	No
Power consumption	3.5 W
Rated supply voltage at DC	18 V ... 36 V
Suitable for safety functions	No
Type of electrical connection	Screw connection
With LED display	Yes

OTHER DATA

Operating temperature	-25 °C ... 55 °C
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DIMENSIONAL DRAWING

INSTALLATION



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

DISPOSAL



SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!