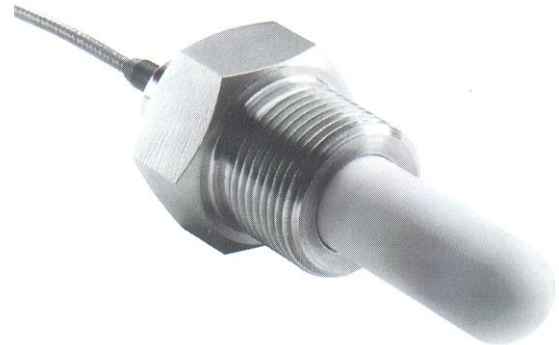


- medium temperature -35 ... +180°C
- pressure resistance up to 10bar
- IP 68

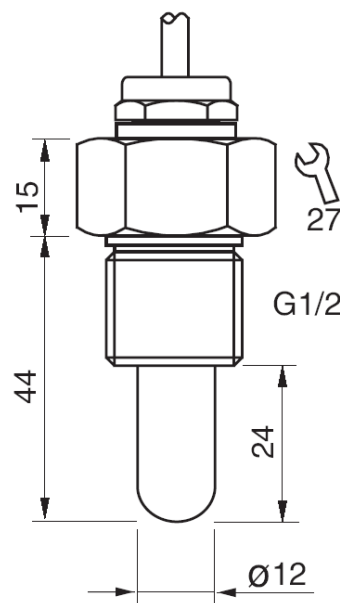


### Technical Data

### Sensor

operating voltage	by connecting to amplifier
switching behavior	medium touching
switching point	6mm
temperature range	-35°C ... +180°C
pressure resistance	max. 10bar
protection class	sensor: IP 68, connector: IP 54
connection	LEM-plug system
housing material	stainless steel / PTFE

### dimensional drawing

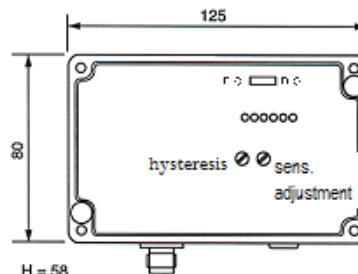


article-no.: **FK90C894**

**PRODUCT:** amplifier for filling level sensor

These evaluation units are designed for capacitive sensors that make it necessary to separate sensor and evaluation unit, for example at operating temperatures above 120°C.

The devices operate statically, i.e. if the sensor is permanently damped, the switching output is also activated. Switching distance or response sensitivity and hysteresis can be set at this amplifier with a respective potentiometer. With the switch, the output can be switched between NO and NC.



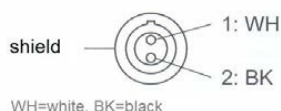
The adjustment to the surrounding medium is carried out under operating conditions. Therefore, the sensor must be plunged into the medium. The adjustment potentiometer is turned anticlockwise with a suitable screwdriver until it stops. This is the starting position for the adjustment. Now the potentiometer has to be turned clockwise until the output switches. You gain switching security by making another half to complete turn in the clockwise direction.

### Technical Data

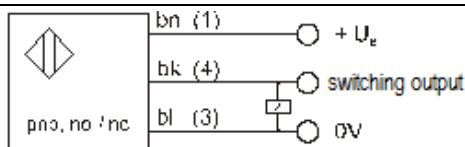
### DC pnp / AC

operating voltage	24V DC $\pm 15\%$ / 230VAC $\pm 10\%$
current consumption	50mA
hysteresis	adjustable, max. 10%
switching output	no / nc programmable
switching current	max. 400mA
max. switching frequency	10Hz / 5Hz
ambient temperature	-20 ... +60°C
protection class	housing: IP 65, sensor connection: IP54
housing material	aluminum
status display	LED
sensor connection	LEM-connector system
connection to amplifier (output/supply voltage)	M12-connector / 2m PVC-cable, 3 x 0.5mm <sup>2</sup>

### connection sensor

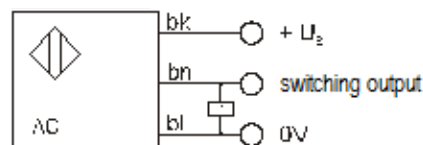


### connection DC-device



bn=brown, bk=black, bl=blue  
terminal marking of cable socket in brackets

### connection AC-device



bn=brown, bk=black, bl=blue

article numbers: **FV98A052** (24V DC) compatible cable sockets e.g. VK200025  
**FV98A053** (230V AC)