

## FK920420

filling level sensor

The sensor should penetrate the container wall by at least 15mm. The alignment with the surrounding medium is carried out under operating conditions. Place the device at the desired position and make sure that the probe is surrounded with the medium being detected. Remove the cover cap above the alignment-potentiometer.

If the LED lights up green use a suitable screwdriver to turn the alignment-potentiometer in a clockwise direction until the output switches. Now the LED lights up yellow. You gain security for the operating position by making another half to complete turn in a clockwise direction.

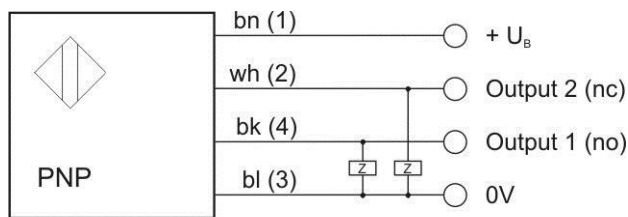
If the LED lights up yellow directly after the installation, the output is already switched. In this case turn the potentiometer anticlockwise until the output switches off and the LED lights up green. After that, turn the potentiometer in a clockwise direction until the output switches and the LED lights up yellow. You gain security for the operating position by making another half to complete turn in a clockwise direction.

After the setting please protect the alignment-potentiometer from dirt and humidity by closing the cover cap.

Metal containers or containers with metal coating as well as plastic containers with electrically conductive mediums should be earthed.

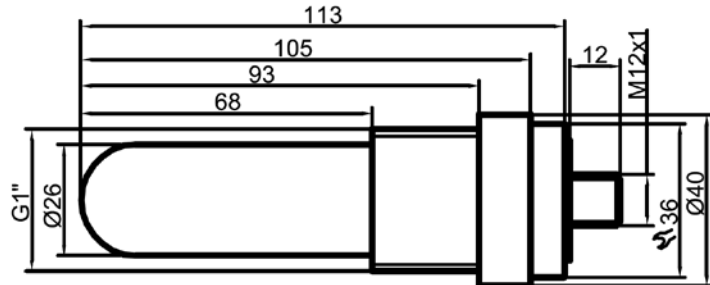
The potentiometer is a 20-turn potentiometer with slipping clutch. That means there is no end-point through stop or click.

### electrical connection



wire colors: bn=brown, wh=white, bk=black, bl=blue  
terminal marking of cable sockets in brackets

article-no.	FK920420
version	G1"
output	pnp, no/nc



**TECHNICAL DATA**

operating point	media contact at the probe
output signal	see above
operating voltage	10 ... 35V DC
current consumption (w/o load)	< 15mA
output current (max. load)	2 x 250mA
voltage drop (max. load)	2,0V DC
switching frequency	50Hz
display (signal)	LED yellow
display (operating)	LED green
setting (sensitivity)	potentiometer
short-circuit protection	+
reverse polarity protection	+
dimensions	G1"
length (thread/total)	25mm / 125mm
material (housing)	PTFE
material (endpiece)	PS / PPO
temperature (operating)	-25 ... +70°C
degree of protection (EN60529)	IP67
connection	M12-connector, 4-pin
connection accessories	i.e. <b>VK200325</b>

Warning: Never use these devices in applications where the safety of a person depends on their functionality.