

Capacitive fill level sensor for electrically conductive liquids and aqueous solutions



Reliable detection of liquid levels

The new capacitive fill level sensor reliably detects liquid fill levels even under the most difficult ambient conditions. The compact M12 x 40 mm device is IP 67 sealed and is available in PBT, PVDF, PA 12 and PP plastic enclosures. The availability of various housing materials covers a wide range of fill level monitoring applications ranging from the chemical industry to the food processing industry.

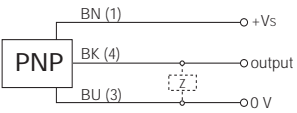

The non-flush sensor has been specifically designed so that soiling and condensation on the sensor's face do not cause false triggers. The product, featuring an EMI immunity far exceeding the limits specified by the applicable CE sensor norm, offers an excellent price to performance ratio.

Some of Baumer electric's photoelectric, pressure and ultrasonic products can also be used as fill level sensors.

Please consult our application engineers or ask for our special literature.

Capacitive fill level sensor

Plastic housing

Dimensions	12 mm	
Sensing distance	0,5 mm	
		
PNP normally open NO normally closed NC	CFAK 12P1103	
technical data		
voltage supply range +Vs	10 - 30 VDC	
supply current	< 10 mA	
max. switching current	200 mA	
voltage drop	< 2,5 V	
max. switching frequency	15 Hz	
nominal sensing distance S_n	$0,5 \pm 0,25$ mm	
sensing distance	fixed	
sensitivity adjustment	none	
mounting	unshielded (ideally 7 mm exposed)	
output indicator	yellow LED	
short circuit protection	yes	
reverse polarity protection	yes	
temperature range	0...+70 °C	
housing material	PBT*	
protection class	IP 67	
* also available in PVDF-, PA 12- and PP-enclosures.	