



## Capacitive Sensors Series 70 - NPN **EasyMount** Series 80 - PNP



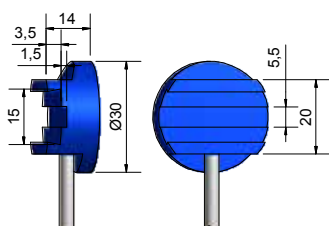
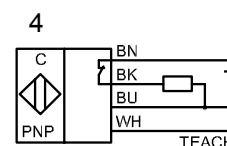
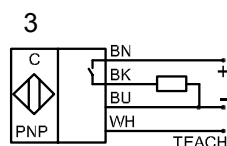
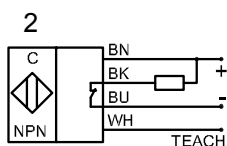
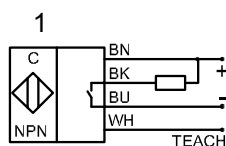
EasyTeach

- Housing Ø 30 mm
- EasyTeach by wire
  - Housing material: Polyamide (PA)
  - Various mounting possibilities (see accessories)
  - Capacitive sensor for level control of liquids or bulk material
  - Capacitive sensor for detecting the position of objects
  - Watertight

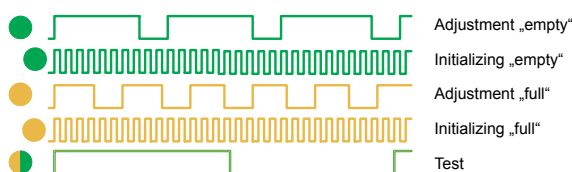
Certificate:



Technical data	Flush mountable	Flush mountable
Operating distance $S_n$	5 mm	5 mm
Operating distance min. / max. programmable	0...10 mm	0...10 mm
Electrical version	3 wire DC	3 wire DC
Output function	Normally open	Normally closed
<b>Type NPN</b>	<b>KAS-70-30/EM-S-ETW</b>	<b>KAS-70-30/EM-Ö-ETW</b>
<b>Art.-No.</b>	<b>KA 1153</b>	<b>KA 1154</b>
Connection diagram no.	1	2
<b>Type PNP</b>	<b>KAS-80-30/EM-S-ETW</b>	<b>KAS-80-30/EM-Ö-ETW</b>
<b>Art.-No.</b>	<b>KA 1149</b>	<b>KA 1150</b>
Connection diagram no.	3	4
Operating voltage ( $U_B$ )	10...35 V DC	10...35 V DC
Output current max. ( $I_o$ )	200 mA	200 mA
Voltage drop max. ( $U_d$ )	≤ 2.0 V	≤ 2.0 V
Permitted residual ripple max.	10 %	10 %
No-load current ( $I_o$ )	Typ 15 mA	Typ. 15 mA
Frequency of operating cycles max.	2 Hz	2 Hz
Permitted ambient temperature	-25...+70 °C	-25...+70 °C
LED-display	Green / yellow	Green / yellow
Protective circuit	Built-in	Built-in
Degree of protection IEC 60529	IP 68	IP 68
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	2 m PVC, 4 x 0.14 mm <sup>2</sup>	2 m PVC, 4 x 0.14 mm <sup>2</sup>
Housing material	PA	PA
Accessory supplied with the sensor	-	-



**EasyTeach chart:**  
LED / Output function  
Yellow = A1  
Green = A1



**Made in Germany**

All specifications are subject to change without notice. (09/2013)