

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



EasyTeach

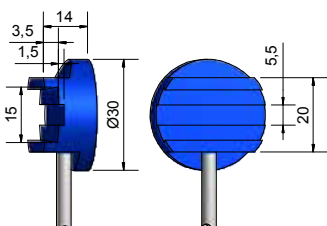
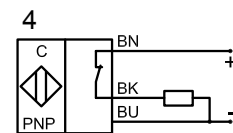
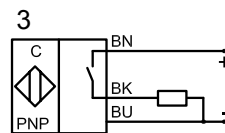
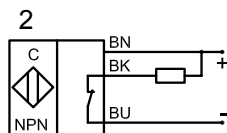
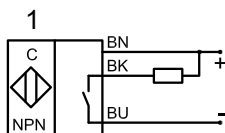
- Housing Ø 30 mm
- EasyTeach by magnet (Magnet is supplied with the sensor)
- Housing material: Polyamid (PA)
- Various mounting possibilities (see accessories)
- Capacitive sensor for level control of liquids or bulk material
- Capacitive sensor for detecting the position of objects
- Watertight

Certificate:

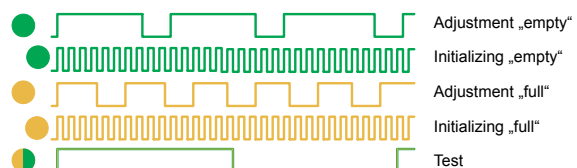


Technical data	Flush mountable	Flush mountable
Operating distance $S_n$	5 mm	5 mm
Operating distance min. / max. programmable	0...10 mm	0...10 mm
Electrical version	3 wire DC	3 wire DC
Output function	Normally open	Normally closed
<b>Type NPN</b>	<b>KAS-70-30/EM-S-ETM</b>	<b>KAS-70-30/EM-Ö-ETM</b>
<b>Art.-No.</b>	<b>KA 1151</b>	<b>KA 1152</b>
Connection diagram no.	1	2
<b>Type PNP</b>	<b>KAS-80-30/EM-S-ETM</b>	<b>KAS-80-30/EM-Ö-ETM</b>
<b>Art.-No.</b>	<b>KA 1147</b>	<b>KA 1148</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	IP68	IP 68
Norm	EN 60947-5-2	EN 60947-5-2
Connection cable	2 m PVC, 3 x 0.14 mm <sup>2</sup>	2 m PVC, 3 x 0.14 mm <sup>2</sup>
Housing material	PA	PA
Accessory supplied with the sensor	Teach magnet	Teach magnet

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



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



**Made in Germany**