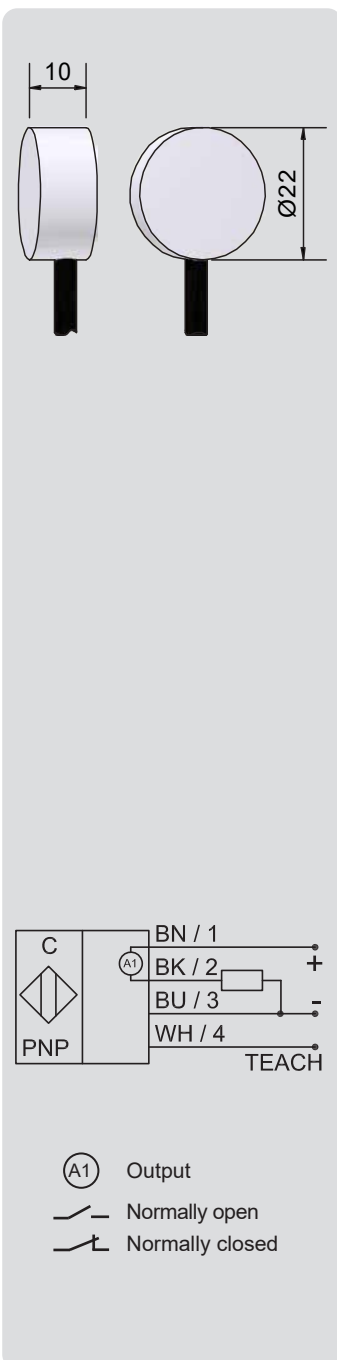


Capacitive sensors
Series 80 - PNP
Article number KA1748
Description KAS-80-22/10-P-D22-PTFE-Y5C-ET

- Capacitive sensor for level control of liquids, very suitable for a measurement through non-metallic container walls
- Output function normally open and normally closed programmable
- Sensitivity adjustment with ETM (sensitivity adjustment is made by magnet on the teach spot) or ETW (sensitivity adjustment is made by connecting the teach line to U_B)
- Flat housing: 10 mm, for limited installation space



Technical data

Mounting	Flush mountable
Operating distance (S_n)	5 mm
Operating distance min. / max. adjustable	0...10 mm
Sensitivity adjustment	ETM / ETW
Output function	Normally open / normally closed programmable
Operating voltage (U_B)	10...30 V DC
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	10 %
Operating current (I_o)	1 x 0...150 mA
No-load current (I_o)	Typ. 6 mA
Frequency of operating cycles max.	100 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Green / Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	PUR cable, 0.15 m, 4 x 0.14 mm ² with plug M12x1
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
MTTF (average operating time until failure)	529.1 Years
Accessories (delivered with the sensor)	Teach magnet
Matching connectors (not delivered with the sensor)	Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, angled, # 193391 Female connector M 12 x 1, DC, 4 x 0.34 mm ² , 5 m, straight, # 193392
Made in Germany	

All specifications are subject to change without notice. (19.12.2024)