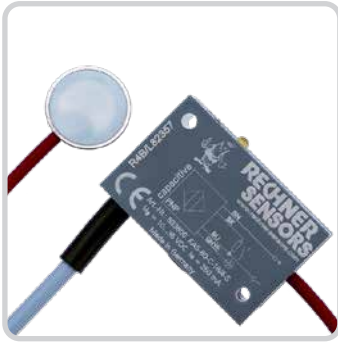




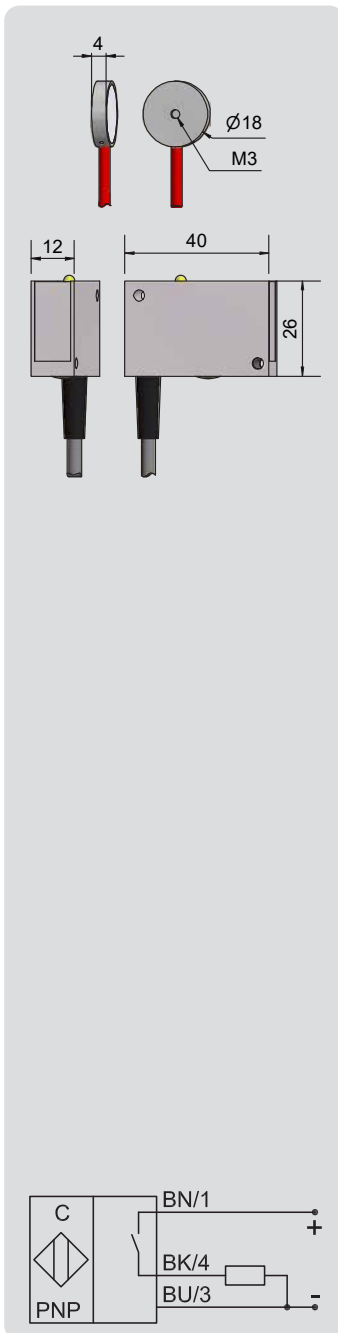
Capacitive sensors

Series 80 - PNP

Article number 833800

Description KAS-80-18/4-S-D18-PTFE/MS-Z02-1-EBC

- Capacitive sensor for level and position control
- Housing Sensor Ø 18 mm, Amplifier 40 x 12 x 26 mm
- Sensing distance 1...8 mm adjustable
- Sensor with remote amplifier, fix connected with 400 mm triax-cable
- Housing (active surface) for very small installation spaces



Technical data

Mounting	Flush mountable
Operating distance S_n	5 mm
Operating distance min. / max. adjustable	1...8 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, normally open
Operating voltage (U_B)	10...35 V DC
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5 %
Operating current (I_e)	0...250 mA
No-load current (I_o)	Typ. 10 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature (sensor)	-55...+120 °C
Permitted ambient temperature (amplifier)	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529 (sensor)	IP 67
Norm	EN 60947-5-2
Connection (sensor)	Cable, 0.4 m, triax-cable
Connection (amplifier)	Cable, 0.5 m, PVC, 3 x 0.14 mm ²
Housing size / Process connection	Ø 18 mm
Housing material (sensor)	Brass
Active surface (sensor)	PTFE (FDA 21 CFR 177.1550)
Housing material (amplifier)	PA
MTTF (average operating time until failure)	554.21 Years

Made in Germany