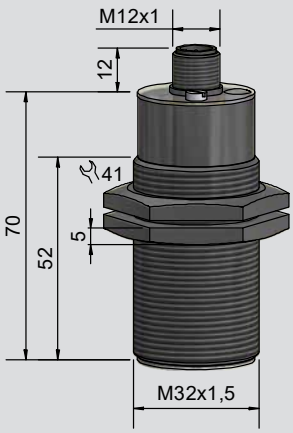
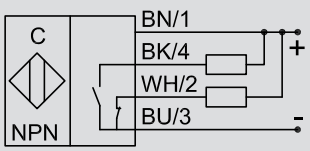
Capacitive Sensors
Series 70 - NPN
Article number: 716000
Description: KAS-70-30-A-M32-PTFE/VAb-Y5-1-HP

- Capacitive sensor for level and position control
- Housing: M 32 x 1.5
- Housing material: Stainless steel VA No. 1.4305 / AISI 303
- With flange connector M 12 x 1



Technical data

Mounting	Flush mountable
Operating distance (S_n)	20 mm
Operating distance min. / max. adjustable	0.5…30 mm
Sensitivity adjustment	Potentiometer
Output function	NPN, antivalent
Operating voltage (U_B)	10…35 V DC
Output current (I_e)	2 x 0…250 mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	10 %
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	200 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67 (with sealed potentiometer screw)
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1 (A-coded)
Housing material	Stainless steel VA No. 1.4305 / AISI 303
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PC (FDA 21 CFR 177.1580)
Housing size / Process connection	M 32 x 1.5
Torque	On request
Media optimized	Yes
Quattro-Protect	Yes
MTTF (average operating time until failure)	1,454.75 years
Accessories (included in delivery)	2 nuts M 33 x 1.5
Matching connectors (not delivered with the sensor)	Female connector M 12 x 1, DC, 4 x 0.34 mm², 5 m, angled, # 193391 Female connector M 12 x 1, DC, 4 x 0.34 mm², 5 m, straight, # 193392
	Made in Germany



All specifications are subject to change without notice. (18.06.2024)