



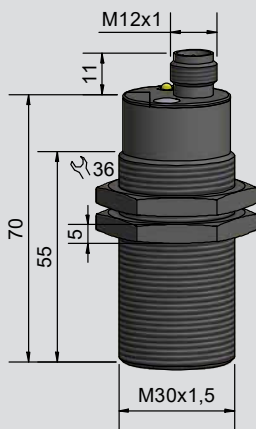
Capacitive Sensors

Series 80 - PNP

Article number: KA1566

Description: KAS-80-A14-A-M30-PBT-Y3-1-NL-3G-3D

- Capacitive sensor for level and position control
- For use in areas with the risk of dust explosion, zone 22 (dust)
- For use in areas with the risk of gas explosion, zone 2 (gas)
- Housing: M 30 x 1.5
- Housing material: PBT
- With flange connector M 12 x 1



Technical data

Mounting	Flush mountable
Operating distance (S_n)	10 mm
Operating distance min. / max. adjustable	2...20 mm
Sensitivity adjustment	Potentiometer
Output function	PNP, antivalent
Operating voltage (U_B)	12...30 V DC
Output current max. (I_o)	2 x 0...150 mA
Voltage drop max. (U_d)	≤ 2.0 V
Permitted residual ripple max.	5 %
No-load current (I_o)	< 15 mA
Frequency of operating cycles max.	150 Hz
Permitted ambient temperature	-20...+70 °C
LED-display	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	PBT
Active surface	PBT
Lid	PA
Housing size / Process connection	M 30 x 1.5
ATEX certificate	With manufacturer certificate
ATEX product marking gas	Ex II 3G Ex nA IIC T6 Gc X
ATEX product marking dust	Ex II 3D Ex mc IIIC T101°C Dc IP67 X
MTTF (average operating time until failure)	2714.31 years
Accessories (included in delivery)	2 nuts M 30 x 1.5
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

