



## Capacitive Sensors Serie 40 - NAMUR EN 60947-5-6



Housing M 30 x 1.5

- For use in areas with the risk of gas explosion, zone 0
- Housing material: Brass
- Sensing distance 2...15 mm adjustable
- With flange connector M 12 x 1

Certificate:



|                             |                    |
|-----------------------------|--------------------|
| DMT 03 ATEX E 048           | IECEx BVS 07.0031  |
| Ex II 1G Ex ia IIC T1-T6 Ga | Ex ia IIC T1-T6 Ga |



### Technical data

Flush mounting

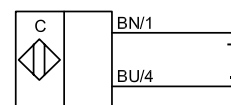
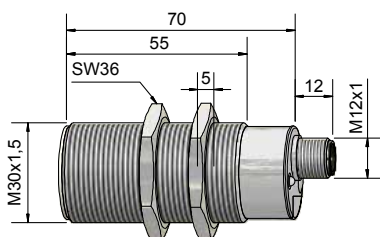
|   |                              |
|---|------------------------------|
| Operating distance $S_n$                  | 10 mm                        |
| Operating distance min. / max. adjustable | 2...15 mm                    |
| Electrical version                        | 2-pin DC                     |
| Output function                           | NAMUR DIN 60947-5-6          |
| <b>Type</b>                               | <b>KAS-40-A14-N-Y5</b>       |
| <b>Art. No.</b>                           | <b>KA 0557</b>               |
| Operating voltage ( $U_B$ )               | 5 - 15 V DC, $U_i = 15$ V DC |
| Output current active surface free        | < typ. 1.5 mA                |
| Output current active surface covered     | > typ. 2.5 mA                |
| Self-inductance (L)                       | 0.2 mH                       |
| Self-capacitance (C)                      | 250 nF                       |
| Permitted residual ripple max.            | 5 %                          |
| Frequency of operating cycles max.        | 50 Hz                        |
| Permitted ambient temperature             | -20...+70 °C                 |
| LED-display                               | Yellow                       |
| Degree of protection IEC 60529            | IP 67*                       |
| Connection                                | Flange connector M 12 x 1    |
| Housing material                          | Brass                        |
| Active surface                            | PTFE (FDA 21 CFR 177.1550)   |
| Lid                                       | PA / PPO                     |

**Accessories** (is delivered with the unit)

2 pieces nuts M 30, Protective clip

For matching connectors please see our selection of accessories.

\* With sealed potentiometer screw



**Made in Germany**

All specifications are subject to change without notice. (06/2014)