



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

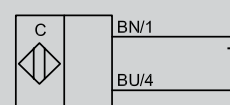
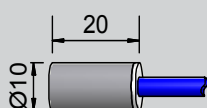
Housing Ø 10 mm

- For use in areas with the risk of gas explosion, zone 0

|                             |                    |
|-----------------------------|--------------------|
| 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 mountable                    |
|---------------------------------------------------------------------------------|------------------------------------|
| Operating distance $S_n$                                                        | 2 mm                               |
| Electrical version                                                              | 2-wire DC                          |
| Output function                                                                 | NAMUR DIN 60947-5-6                |
| Type                                                                            | <b>KAS-40-10/20-N</b>              |
| Art. No.                                                                        | <b>KA 0902</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                                                   | -25...+70 °C                       |
| LED-display                                                                     | -                                  |
| Degree of protection IEC 60529                                                  | IP 67                              |
| Connection cable                                                                | 2 m, PVC, 2 x 0.14 mm <sup>2</sup> |
| Housing material                                                                | VA No. 1.4305                      |
| Active surface                                                                  | PTFE (FDA 21 CFR 177.1550)         |
| Lid                                                                             | PTFE (FDA 21 CFR 177.1550)         |
| Signal evaluator series N (not included in delivery): #N00015, #N00017, #N00018 |                                    |



**Made in Germany**