



## Capacitive Sensors Series 2000 - **quattro**<sup>13</sup>

Housing M 32 x 1.5

- Housing material: Stainless steel VA
- For level control with a product temperature up to +160 °C
- Sensing distance 2...20 mm adjustable
- Multifunction sensor: NPN / PNP;  
NO / NC function switchable
- With flange connector M 12 x 1

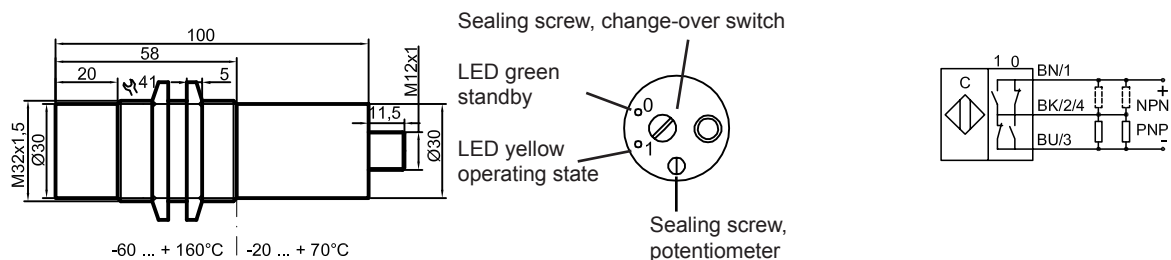
Certificate:



Quattro<sup>13</sup> Protect™

|   |  |
|---|--|
| <b>Technical data</b>                   | Non-flush mountable                      |
| Operating distance $S_n$                | 15 mm                                    |
| Operating distance min./max. adjustable | 2...20 mm                                |
| Electrical version                      | 3-pin DC                                 |
| Output                                  | NO / NC function switchable              |
| <b>Type NPN / PNP switchable</b>        | <b>KAS-2000-34-M32-PTFE/V2A-160°C-Y3</b> |
| <b>Art.-No.</b>                         | <b>771 105</b>                           |
| Operating voltage ( $U_B$ )             | 10...35 V DC                             |
| Output current max. ( $I_o$ )           | 400 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.      | 50 Hz                                    |
| Permitted ambient temperature           | -60...+160 °C / -20...+70 °C             |
| LED-display                             | Green & yellow                           |
| Protective circuit                      | Built-in                                 |
| Degree of protection IEC 60529          | IP 67                                    |
| Norm                                    | EN 60947-5-2                             |
| Connection                              | Flange connector M 12 x 1                |
| Housing material                        | VA No. 1.4305                            |
| Active surface                          | PTFE (FDA 21 CFR 177.1550)               |
| Lid                                     | PA / PPO                                 |

All specifications are subject to change without notice. (31.03.2010)



**Made in Germany**