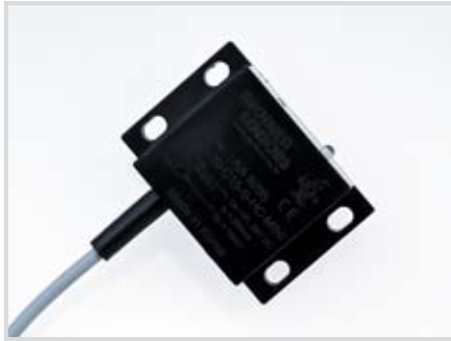




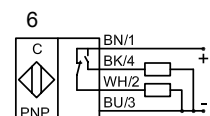
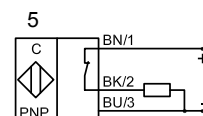
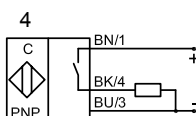
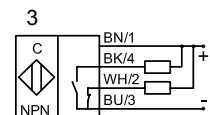
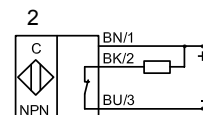
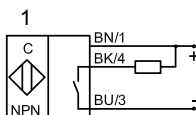
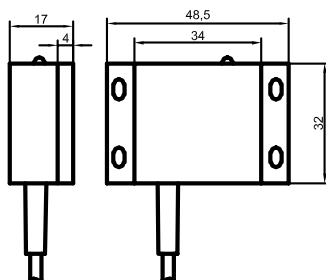
## Capacitive Sensors Series 70 - NPN Series 80 - PNP

- Housing 48.5 x 32 mm
- Housing material: PVC
- Sensing distance 0...17 mm adjustable
- For the detection of conductive liquids through container walls or bypass tubes

Certificate:



| Technical data                            | Flush mountable               | Flush mountable               |
|-------------------------------------------|-------------------------------|-------------------------------|
| Operating distance $S_n$                  | 15 mm                         | 15 mm                         |
| Operating distance min. / max. adjustable | 0...17 mm                     | 0...17 mm                     |
| Electrical version                        | 3-wire DC                     | 3-wire DC                     |
| Output                                    | Normally open (NO)            | Normally closed (NC)          |
| Type NPN                                  | KAS-70-C15-S-HC-MINI          | KAS-70-C15-Ö-HC-MINI          |
| Art.-No.                                  | KA 9295                       | KA 9296                       |
| Connection diagram No..                   | 1                             | 2                             |
| Type PNP                                  | KAS-80-C15-S-HC-MINI          | KAS-80-C15-Ö-HC-MINI          |
| Art.-No.                                  | KA 9195                       | KA 9196                       |
| Connection diagram No.                    | 4                             | 5                             |
| Operating voltage ( $U_B$ )               | 10...30 V DC                  | 10...30 V DC                  |
| Output current max. ( $I_o$ )             | 200 mA                        | 200 mA                        |
| Voltage drop max. ( $U_d$ )               | $\leq 2.0$ V                  | $\leq 2.0$ V                  |
| Permitted residual ripple max.            | 10 %                          | 10 %                          |
| No-load current ( $I_o$ )                 | Typ. 12 mA                    | Typ. 12 mA                    |
| Frequency of operating cycles max.        | 50 Hz                         | 50 Hz                         |
| Permitted ambient temperature             | -25...+70 °C                  | -25...+70 °C                  |
| LED-display                               | Green / yellow                | Green / yellow                |
| Protective circuit                        | Built-in                      | Built-in                      |
| Degree of protection IEC 60529            | IP 67                         | IP 67                         |
| Norm                                      | EN 60947-5-2                  | EN 60947-5-2                  |
| Connection cable                          | 2 m, 3 x 0.14 mm <sup>2</sup> | 2 m, 3 x 0.14 mm <sup>2</sup> |
| Housing material                          | PVC                           | PVC                           |
| Active surface                            | PVC                           | PVC                           |
| Lid                                       | PVC                           | PVC                           |



Made in Korea

All specifications are subject to change without notice. (10.12.2009)