



## Capacitive Evaluation Unit

Series 70-250 - NPN  
Series 80-250 - PNP

Housing 75 x 47 x 30 mm  
• For capacitive sensors KS-250-M32(-Y)

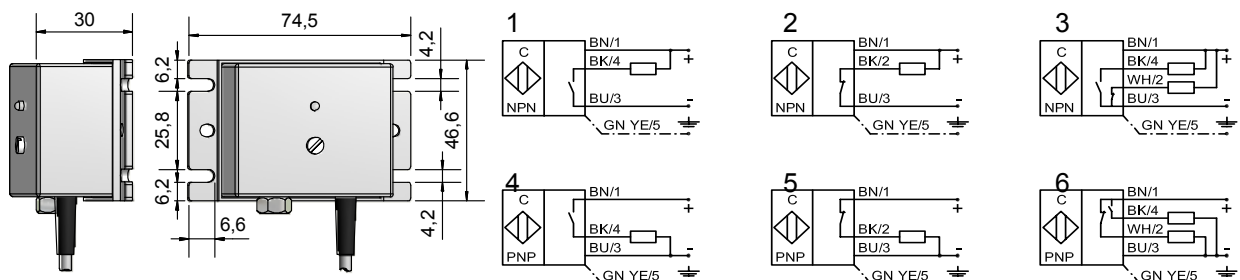
Certificate:



### Technical data

|                                    |                                   |                                   |
|------------------------------------|-----------------------------------|-----------------------------------|
| Electrical version                 | 5-wire DC                         | 5-wire DC                         |
| Output function                    | Antivalent                        | Antivalent                        |
| <b>Type NPN</b>                    | <b>KSA-70-250-A-M32-2m</b>        | <b>KSA-70-250-A-M32-Y-2m</b>      |
| <b>Art.-No.</b>                    | <b>AK 0003</b>                    | <b>AK 0007</b>                    |
| <b>Type PNP</b>                    | <b>KSA-70-250-A-M32-5m</b>        | <b>KSA-70-250-A-M32-Y-5m</b>      |
| <b>Art.-No.</b>                    | <b>AK 0004</b>                    | <b>AK 0008</b>                    |
| Connection diagram No.             | 3                                 | 3                                 |
| <b>Type PNP</b>                    | <b>KSA-80-250-A-M32-2m</b>        | <b>KSA-80-250-A-M32-Y-2m</b>      |
| <b>Art.-No.</b>                    | <b>AK 0005</b>                    | <b>AK 0009</b>                    |
| <b>Type PNP</b>                    | <b>KSA-80-250-A-M32-5m</b>        | <b>KSA-80-250-A-M32-Y-5m</b>      |
| <b>Art.-No.</b>                    | <b>AK 0006</b>                    | <b>AK 0010</b>                    |
| Connection diagram No.             | 6                                 | 6                                 |
| Operating voltage ( $U_B$ )        | 10...35 V DC                      | 10...35 V DC                      |
| Output current max. ( $I_o$ )      | 2 x 250 mA                        | 2 x 250 mA                        |
| Voltage drop max. ( $U_d$ )        | < 2.5 V                           | < 2.5 V                           |
| Permitted residual ripple max.     | 10 %                              | 10 %                              |
| No-load current ( $I_o$ )          | Typ. 15 mA                        | Typ. 15 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 65                             | IP 65                             |
| Norm                               | EN 60947-5-2                      | EN 60947-5-2                      |
| Connection cable                   | 2 m PVC, 5 x 0.34 mm <sup>2</sup> | 2 m PVC, 5 x 0.34 mm <sup>2</sup> |
| Housing material                   | PA                                | PA                                |

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



**Made in Germany**