



## Capacitive Sensors Series 80 - PNP - StEx- ATEX

Housing M 30 x 1.5

- For use in areas with the risk of dust explosion, zone 20
- For use in areas with the risk of gas explosion, zone 1
- Sensing distance 3...25 mm adjustable

|                                        |                            |
|----------------------------------------|----------------------------|
| DMT 01 ATEX E 157                      | IECEX BVS 07.0015          |
| Ex II 2 G Ex mb IIC T4 Gb              | Ex mb IIC T4 Gb            |
| Ex II 1/2 D Ex ta/tb IIIC T101°C Da/Db | Ex ta/tb IIIC T101°C Da/Db |

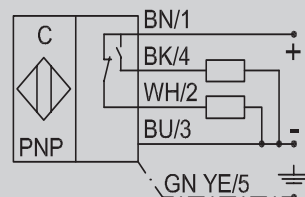
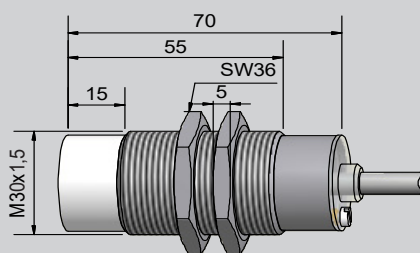


### Technical data

Non-flush mountable

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Operating distance $S_n$                        | 15 mm                              |
| Operating distance min. / max. adjustable       | 3...25 mm                          |
| Electrical version                              | 4-wire DC                          |
| Output function                                 | Antivalent                         |
| <b>Type PNP</b>                                 | <b>KAS-80-A24-A-StEx</b>           |
| <b>Art.-No.</b>                                 | <b>KA 0278</b>                     |
| Operating voltage ( $U_B$ )                     | 10...30 V DC                       |
| Operating current ( $I_o$ )                     | 2 x 150 mA                         |
| Voltage drop max. ( $U_d$ )                     | $\leq 2.0$ V                       |
| Permitted residual ripple max.                  | 5 %                                |
| No-load current ( $I_o$ )                       | Typ. 15 mA                         |
| Frequency of operating cycles max.              | 50 Hz                              |
| Permitted ambient temperature                   | -20...+70 °C                       |
| LED-display                                     | Green / yellow                     |
| Protective circuit                              | Built-in                           |
| Degree of protection IEC 60529                  | IP 67*                             |
| Norm                                            | EN 60947-5-2                       |
| Connection cable                                | 5 m, PVC, 5 x 0.34 mm <sup>2</sup> |
| Housing material                                | VA No. 1.4305                      |
| Active surface                                  | PTFE (FDA 21 CFR 177.1550)         |
| Lid                                             | PC (FDA 21 CFR 177.1580)           |
| Media optimized                                 | Yes                                |
| <b>Accessories</b> (is delivered with the unit) | 2 pieces nuts M 30                 |

\* With sealed potentiometer screw



**Made in Germany**