


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

Housing M 32 x 1.5

- Housing material: Stainless steel VA, No.1.4305 / AISI 303
- 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 2...25 mm adjustable

DMT 01 ATEX E 157

IECEx BVS 07.0015

Ex II 2 G Ex mb IIC T4 Gb

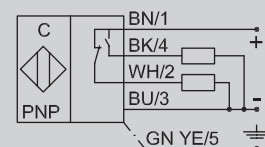
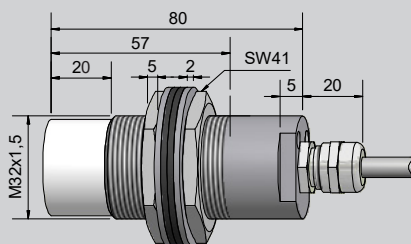
Ex mb IIC T4 Gb

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 $S_n$                  | 20 mm                                    |
| Operating distance min. / max. adjustable | 2...25 mm                                |
| Electrical version                        | 4-wire DC                                |
| Output function                           | Antivalent                               |
| Type PNP current                          | KAS-80-35-A-M32-PTFE/VAb-Z03-1-2G-1/2D   |
| Type PNP                                  | KAS-80-35-A-M32-StEx                     |
| Art.-No.                                  | KA 0086                                  |
| Operating voltage ( $U_B$ )               | 10...30 V DC                             |
| Operating current ( $I_o$ )               | 2 x 0...150 mA                           |
| Voltage drop max. ( $U_o$ )               | $\leq 2.0$ 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                          | 3 m, PVC, 5 x 0.34 mm <sup>2</sup>       |
| Housing material                          | Stainless steel VA No.1.4305 / AISI 303  |
| Active surface                            | PTFE (FDA 21 CFR 177.1550)               |
| Media optimized                           | Yes                                      |
| Accessories (is delivered with the unit)  | 2 nuts M 32 x 1.5, 2 grommets, 2 o-rings |



\* With sealed potentiometer screw

**Made in Germany**

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