



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

Housing G 1"

- For use in areas with the risk of dust explosion, zone 20
- Housing material PTFE
- Special version with flange. Sealing can be made with a gasket or PTFE-tape (not supplied with the sensor)

DMT 01 ATEX E 157

IECEx BVS 07.0015

Ex II 1/2 D Ex ta/tb IIIC T101°C Da/Db

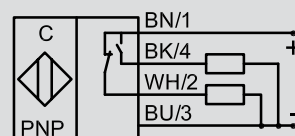
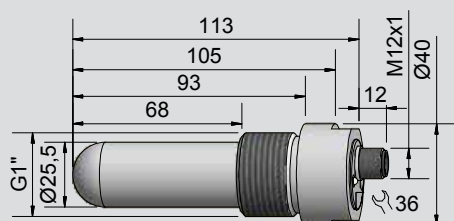
Ex ta/tb IIIC T101°C Da/Db



| Technical data                                                                                                                                                     | Non-flush mountable                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Level sensor, in contact with the product                                                                                                                          | Medium dependent adjustable          |
| Operating distance min. / max. adjustable                                                                                                                          | 0...20 mm                            |
| Electrical version                                                                                                                                                 | 4 - wire DC                          |
| Output function                                                                                                                                                    | Antivalent                           |
| Type PNP current                                                                                                                                                   | KAS-80-26/113-A-G1-PTFE-Y5-1-HP-1/2D |
| Type PNP                                                                                                                                                           | KAS-80-26-A-K-G1"-PTFE-Y5-StEx       |
| Art.-No.                                                                                                                                                           | KA 0655                              |
| Operating voltage (U <sub>B</sub> )                                                                                                                                | 10...30 V DC                         |
| Voltage drop max. (U <sub>D</sub> )                                                                                                                                | ≤ 2.0 V                              |
| Permitted residual ripple max.                                                                                                                                     | 10 %                                 |
| Operating current (I <sub>B</sub> )                                                                                                                                | 2 x 0...150 mA                       |
| No-load current (I <sub>0</sub> )                                                                                                                                  | Typ. 15 mA                           |
| Frequency of operating cycles max.                                                                                                                                 | 50 Hz                                |
| Permitted ambient temperature                                                                                                                                      | -25...+90 °C / CIP 121 °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 (A-coded)  |
| Housing material                                                                                                                                                   | PTFE (FDA 21 CFR 177.1550)           |
| Active surface                                                                                                                                                     | PTFE (FDA 21 CFR 177.1550)           |
| Lid                                                                                                                                                                | PC (FDA 21 CFR 177.1580)             |
| Media optimized                                                                                                                                                    | Yes                                  |
| Accessories (delivered with the sensor)                                                                                                                            | Protective clip                      |
| Accessories (not delivered with the sensor): For varivent adapter (#196377), triclamp adapter (DN25 / DN32 / DN40 #196356, DN50 #196357), welding socket (#196355) |                                      |
| Matching connectors (not delivered with the sensor)                                                                                                                | #193210, #193230                     |

Capacitive Sensors S26 with hemispherical active surface for level control of products with a dielectric constant  $\epsilon_r$  from 1,1. Products can be:

- Bulk material, like plastic granules, powder, cereals, etc.
- Liquids, like water, juice, wine, oil, chemicals or pharmaceutical solutions and much more.
- Pastes in the food, pharmaceutical and cosmetics industry



\* With sealed potentiometer screw

Made in Germany