

## Capacitive Sensors

### Series 80 - PNP **EasyMount**

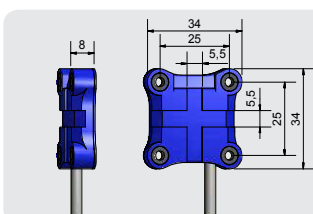
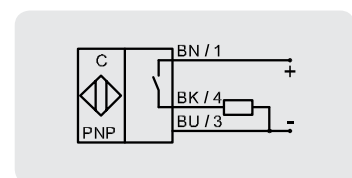
Housing 34 x 34 mm  
Capacitive sensor for level control of liquids, very suitable for a measurement through non-metallic container walls. Special adaptation for bypass applications.

- Sensitivity adjustment with EasyTeach by magnet (ETM)  
Magnet delivered with the sensor
- Housing material: PA / PBT
- Easy to mount, by screwing, gluing or cable ties
- Watertight
- Flat housing - 8 mm

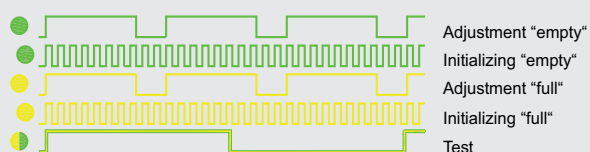


|   |   |
|---|---|
| <b>Technical data</b>                       | Flush mountable                               |
| Operating distance $S_n$                    | 5 mm  |
| Operating distance min. / max. programmable | 0...10 mm                                     |
| Electrical version                          | 3 wire DC                                     |
| Output function                             | Normally open                                 |
| <b>Type PNP</b>                             | <b>KAS-80-C30EM/8-S-34x34x8-PA-Z02-ETM-HP</b> |
| <b>Art.-No.</b>                             | <b>KA 1451</b>                                |
| Operating voltage ( $U_B$ )                 | 10...35 V DC                                  |
| Voltage drop max. ( $U_g$ )                 | ≤ 2.0 V                                       |
| Permitted residual ripple max.              | 10 %  |
| Operating current ( $I_e$ )                 | 0...200 mA                                    |
| No-load current ( $I_o$ )                   | Typ 15 mA                                     |
| Frequency of operating cycles max.          | 2 Hz  |
| Permitted ambient temperature               | -25...+70°C                                   |
| LED-display                                 | Green / yellow                                |
| Protective circuit                          | Built-in                                      |
| Degree of protection IEC 60529              | IP68  |
| Norm  | EN 60947-5-2                                  |
| Connection cable                            | 2 m PVC, 3 x 0.14 mm <sup>2</sup>             |
| Housing material                            | PA / PBT                                      |
| Accessories (delivered with the sensor)     | Teach magnet                                  |

All specifications are subject to change without notice. (06.01.2020)



**EasyTeach chart:**  
LED / Output function  
Yellow = A1  
Green = A1



**Made in Germany**

# Capacitive Sensors **EasyMount**

- ✓ for level control of liquids
- ✓ for leakage detection

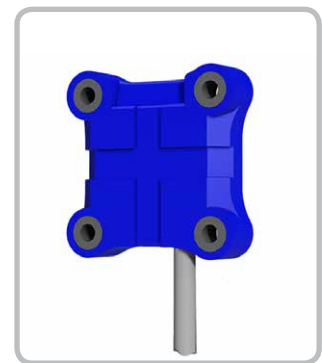
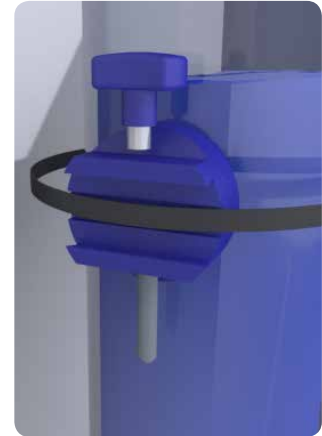
These small sensors have all that makes the handling and application easy for the user.

**The mounting is really simple.** The sensor itself is featured with excellent technical characteristics and is very small in size. It can be mounted in various ways. It can be glued in the desired position, fixed with a cable tie or it can be mounted with one of the holders from the range accessories.

The sensitivity- or sensing distance adjustment is almost made by itself, thanks to the **EasyTeach function**. In the course of which it does not matter if the magnet is used or the version with EasyTeach by wire is the model of choice. The steps one has to pass through are easy and quick to complete, so the user does not lose time from looking after his core business.

With the use of the newest production technologies the components of the sensors are embedded in the plastic body. They are watertight and operate wear-free. All sensors produced from RECHNER Sensors Germany are 100 % tested. The product marking is made with modern laser technology for everlasting identification and traceability.

For further information about Rechner Sensors feel free to contact us or visit our web site under [www.rechner-sensors.com](http://www.rechner-sensors.com).



Measurement through non-metallic container walls



**EasyTeach + EasyMount  
= Simply perfect**

**IP68**

*100 % tested*

*Laser product marking*

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