



## Capacitive Sensors with Analogue Output Series 80 - PNP

**Current output** 20...4 mA  
**Voltage output** 10...0 V

Housing M 32 x 1.5

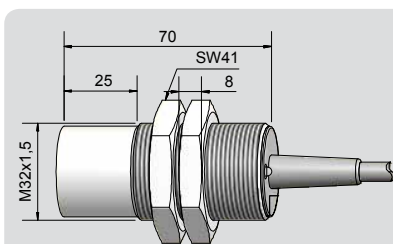
- Housing material: PTFE
- Operating range 0...35 mm
- Current and voltage output in the same sensor.
- Adjustable with Easy Teach by Button (ETB) / Easy Teach by Wire (ETW)
- Optical guidance during the teach process with the aid of a 2-colour LED



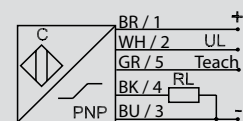
Technical data	Non-flush mountable
Operating range	0...35 mm
Linear range	0...25 mm
Electrical version	4-wire DC
Output function	Analogue
<b>Type Analogue</b>	<b>KAS-80-35-IL20/UL10-M32-PTFE-Z02-ET-HP</b>
<b>Art. No.</b>	<b>KA 1600</b>
Operating voltage (U <sub>B</sub> )	15...30 V DC
Output signal	20...4 mA, 10...0 V
Permitted residual ripple max.	5 %
No-load current (I <sub>0</sub> )	≤ 40 mA
Operating current active surface free	≥ 20 mA
Operating current active surface covered	≤ 4 mA
Load resistor (R <sub>L</sub> )	0...600 Ω
Permitted ambient temperature	0...+70 °C
LED-display	Yellow / green
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2, EN 60947-5-7**
Connection cable	2 m PVC, 5 x 0.34 mm <sup>2</sup>
Housing material	PTFE (FDA 21 CFR 177.1550)
Active surface	PTFE (FDA 21 CFR 177.1550)
Lid	PA / PPO
<b>Accessories</b> (delivered with the sensor)	2 nuts M 32 x 1.5

\* With sealed EasyTeach button

\*\* Where applicable



### EasyTeach chart:



**Made in Germany**

All specifications are subject to change without notice. (17.05.2019)