



## Capacitive Sensors Series 80 - PNP

Housing M 18 x 1

- Housing material: PA / PPO
- Sensing distance 1...8 mm adjustable
- Sensitivity adjustment with EasyTeach by Button (ETB)



<b>Technical data</b>	Flush mountable
Operating distance $S_n$	5 mm
Operating distance min. / max. adjustable	1...8 mm
Electrical version	4-wire DC
Output function	Antivalent
<b>Type PNP</b>	<b>KAS-80-A13-A-M18-PPO-Z02-ETB-NL</b>
<b>Art.-No.</b>	<b>KA1419</b>
Operating voltage ( $U_B$ )	12...30 V DC
Voltage drop max. ( $U_g$ )	$\leq 2.0$ V
Permitted residual ripple max.	5 %
Operating current ( $I_e$ )	2 x 0...150 mA
No-load current ( $I_o$ )	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+70 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67*
Norm	EN 60947-5-2
Connection cable	2 m, PVC 4 x 0.34 mm <sup>2</sup>
Housing material	PA / PPO
Active surface	PA / PPO
Lid	PA / PPO
Media optimized	Yes
<b>Accessories</b> (delivered with the sensor)	2 nuts M 18 x 1

All specifications are subject to change without notice. (03.06.2019)

**EasyTeach chart:**

- Adjustment "empty"
- Initializing "empty"
- Adjustment "full"
- Initializing "full"
- Test

\* With sealed EasyTeach button

**Made in Germany**