



## Capacitive high temperature sensor with evaluation unit Series 70-250 - NPN Series 80-250 - PNP

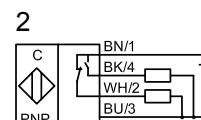
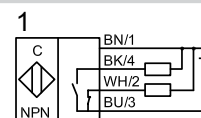
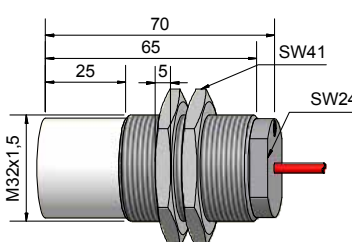
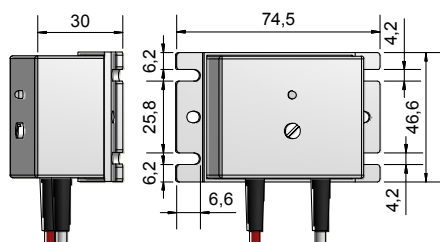
- Housing Sensor M 32 x 1,5 / evaluation unit 75 x 47 x 30 mm
- Evaluation unit and sensor firmly connected via FEP cable with 2 m in length.
  - Sensing distance 2...20 mm adjustable
  - Sensor useable for an ambient temperature -200...+250 °C

Certificate:



Technical data	Non-flush mountable
Operating distance $S_n$	12 mm
Operating distance adjustable	3...20 mm
Electrical version	4-wire DC
Output function	Antivalent
<b>Type NPN</b>	<b>KS-250-M32 2,0 m &amp; KSA-70-250-A</b>
<b>Art.-No.</b>	<b>AKK 002</b>
Connection diagram No.	1
<b>Type PNP</b>	<b>KS-250-M32 2,0 m &amp; KSA-80-250-A</b>
<b>Art.-No.</b>	<b>AKK 001</b>
Connection diagram No.	2
Operating voltage ( $U_b$ )	10...35 V DC
Output current max. ( $I_o$ )	2 x 250 mA
Voltage drop max. ( $U_d$ )	< 2.5 V
Permitted residual ripple max.	10 %
No-load current ( $I_o$ )	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature (evaluation unit)	-25...+70 °C
Permitted ambient temperature (sensor)	-200...+250 °C
LED-display	Green / yellow
Protective circuit	Built-in
Degree of protection IEC 60529 (evaluation unit)	IP 65
Degree of protection IEC 60529 (sensor)	IP 67
Norm	EN 60947-5-2
Connection cable	2 m PUR, 4 x 0.14 mm <sup>2</sup>
Housing material (evaluation unit)	PA
Housing material (sensor)	VA No. 1.4305
Active surface	PTFE (FDA 21 CFR 177.1550)

**Accessories** (is delivered with the unit) 2 pieces nuts M 32



**Made in Germany**

All specifications are subject to change without notice. (06/2014)