



## ASF/E

### Radiation temperature sensor - outdoor

Measuring size: temperature

Output: passive sensor

Highlights: aluminium globe, measuring of the thermal radiation



### Description

The ASF/E radiation sensor measures the thermal radiation in the range of -30 up to +75°C and is with all current sensors available. The temperature probe can be mounted in climate-sensitive areas e.g. on outside walls whereby the impact resistant as well as humidity-proof plastic housing protects the sensor optimally from outside influences.

### Technical Specifications

Measurement range temp.	-30...+75°C
Sensor	Pt100, Pt500, Pt1000, Ni1000, KTY, NTC, LM235Z (other on request)
Circuit type	2-wire connection
Measurement current	approx. 1 mA
Electrical connection	screw terminals max. 1,5 mm <sup>2</sup>
Leakage resistance	> 100 MOhm, at +20°C (500 V DC)
Housing	polyamide with snap closing screws, colour white like RAL 9010
Cable gland	PG11 high-strength cable gland with strain relief
Material	Globe: aluminium (black)
Dimensions	Housing: L 64 x W 58 x H 34,5 mm, Globe: Ø 40 mm
Protection type	IP65
Storage temperature	-20...+70°C
Installation	screw fastening
Approvals	CE, EAC, RoHS



## Variants

<b>Article Number</b>
Sensor
<b>ASF/E-10</b>
Pt100 (DIN EN 60751 Cl. B)
<b>ASF/E-20</b>
Pt1000 (DIN EN 60751 Cl. B)
<b>ASF/E-30</b>
Ni1000 (whirl-sintered)
<b>ASF/E-40</b>
Ni1000TK5000 (whirl-sintered)
<b>ASF/E-50</b>
NTC1,8k ( $\pm 1\%$ )
<b>ASF/E-60</b>
LM235Z ( $\pm 1\%$ )
<b>ASF/E-70</b>
NTC20k ( $\pm 1\%$ )
<b>ASF/E-80</b>
NTC10k ( $\pm 1\%$ )
<b>ASF/E-81</b>
KTY 81-110 ( $\pm 1\%$ )
<b>ASF/E-82</b>
KTY 81-121 ( $\pm 1\%$ )
<b>ASF/E-83</b>
KTY 81-210 (KTY 10-6) ( $\pm 1\%$ )



### Dimensional Drawing

