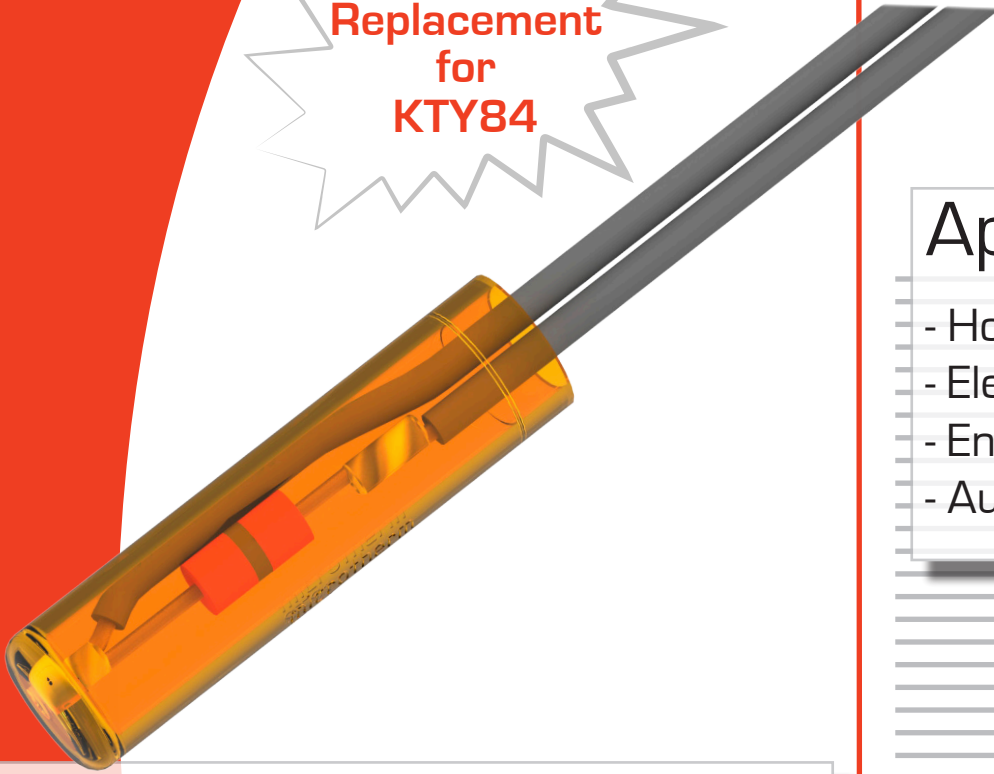


Temperature sensor

STS

Replacement
for
KTY84



Applications

- Household appliances
- Electronics
- Engineering
- Automotive

Benefits

- Temperatures from -40°C up to $+190^{\circ}\text{C}$
- Excellent long-term temperature stability
- High precision and reliability
- No polarity reversal (+/-) possible



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Technical data

ratings	type	STS1
typ. resistance at 100°C		1000 Ω
tolerances		± 3 % oder ± 5 %
operating temperature range		-40°C ... +190°C
min. insulation resistance (100 Vdc)		100 MΩ
max. operating current		8 mA
rated current		5 mA
max. rated power		50 mW

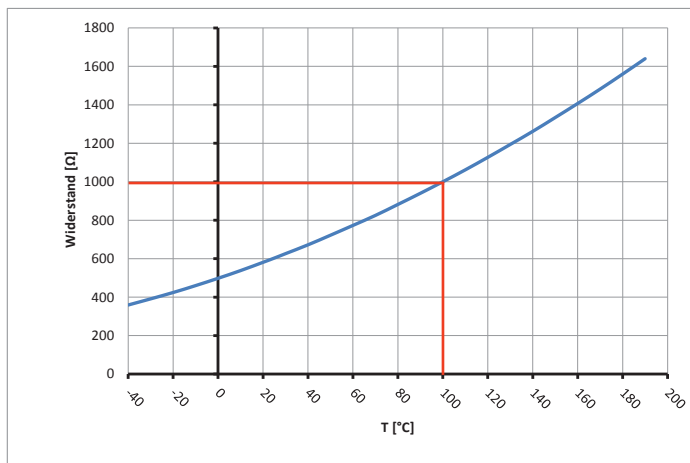


This product reacts sensitive to electrostatic discharge (ESD). Please respect the corresponding instructions for transport and processing.

Standard types

type execution	illustration	drawing dimensions (mm)	technical description
STS1 G918			housing PPS leads ETFE, AWG24, white
STS1 U129			shrink sleeving Kynar® (max. 175°C) leads ETFE, AWG24, white

Temperature vs. resistance



Ordering example

STS1 1000 3 L360 500 G918

- Type of sensor
- R at 100°C
- Tolerance (%)
- Leads white, AWG24, ETFE
- Length of leads
- Housing number

Remark: Electric resistance values corresponds to KTY84

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