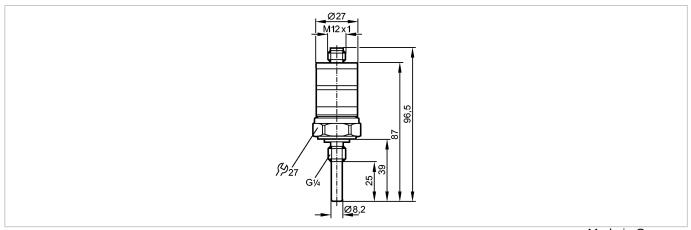
efector600°

TK6130

TK-025CLFR14-QKPKG / US



Temperature sensors





Made in Germany

| Product characteristics | |
|--|--|
| Electronic temperature sensor | |
| Process connection: G 1/4 A | |
| Installation length EL: 39 mm | |
| 2 switching outputs | |
| complementary | |
| Hysteresis | |
| adjustable | |
| Measuring range: -25140 °C / -13284 °F | |
| Measuring element: 1 x Pt 1000, to DIN FN 60751, class B | |

| Application | | |
|----------------------------|------|-----------------------|
| Application | | liquids and gases |
| Medium temperature | [°C] | -25125 (145 max. 1 h) |
| Minimum installation depth | [mm] | 15 |

| Electrical data | | |
|-----------------------------|------|----------|
| Electrical design | | DC PNP |
| Operating voltage | [V] | 9.632 ¹) |
| Current consumption | [mA] | < 30 |
| Protection class | | III |
| Reverse polarity protection | | yes |

| Reverse polarity protect | uon | yes |
|--------------------------|---------|--------------------------------------|
| Outputs | | |
| Output function | | normally open / closed complementary |
| Current rating | [mA] | 500 |
| Voltage drop | [V] | < 2 |
| Short-circuit protection | | Yes (non-latching) |
| Overload protection | | yes |
| Measuring / setting ra | ınge | |
| Measuring range | °C/°F | -25140 / -13284 |
| Setting range | | |
| Cat paint CD | [0C/0E] | 16 140/2 204 |

| Set point, SP | [°C/°F] | -16140 / 3284 |
|-----------------------------|---------|----------------|
| Reset point, rP | [°C/°F] | -20136 / -4277 |
| Accuracy / deviations | | |
| Temperature drift (/ 10 K) | | 0.1 |

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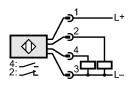


Temperature sensors

| Setting accuracy | [K] | ± 3 |
|-------------------------|---------------|---|
| Repeatability | [K] | ± 0.1 |
| Reaction times | | |
| Power-on delay time | [s] | 0.5 |
| Dynamic response | T05 / T09 [s] | 1/3*) |
| Software / programm | ning | |
| Adjustment of the swite | ch point | Shims |
| Environment | | |
| Pressure rating | [bar] | 300 |
| Ambient temperature | [°C] | -2570 |
| Storage temperature | [°C] | -40100 |
| Protection | | IP 67 |
| Tests / approvals | | |
| EMC | | EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V |
| Shock resistance | | DIN IEC 68-2-27: 50 g (11 ms) |
| Vibration resistance | | DIN EN 60068-2-6: 20 g (102000 Hz) |
| MTTF | [Years] | 684 |
| Mechanical data | | |
| Process connection | | G 1/4 A |
| Materials (wetted parts | 5) | stainless steel 316L / 1.4404; FPM (Viton) |
| Probe length L | [mm] | 25 |
| Installation length EL | [mm] | 39 |
| Housing materials | | stainless steel 316L / 1.4404; PC (Makrolon); PBT (Pocan); FPM (Viton) |
| Weight | [kg] | 0.104 |
| Displays / operating | elements | |
| Display | | Power LED green Switching status LED yellow |
| Electrical connection | n | |
| Connection | | M12 connector; gold-plated contacts |

Wiring





| Remarks | | |
|---------------|---------|---|
| Remarks | | ¹) cULus - Class 2 source required *) according to DIN EN 60751 The values for accuracy apply to flowing water. |
| Pack quantity | [piece] | 1 |