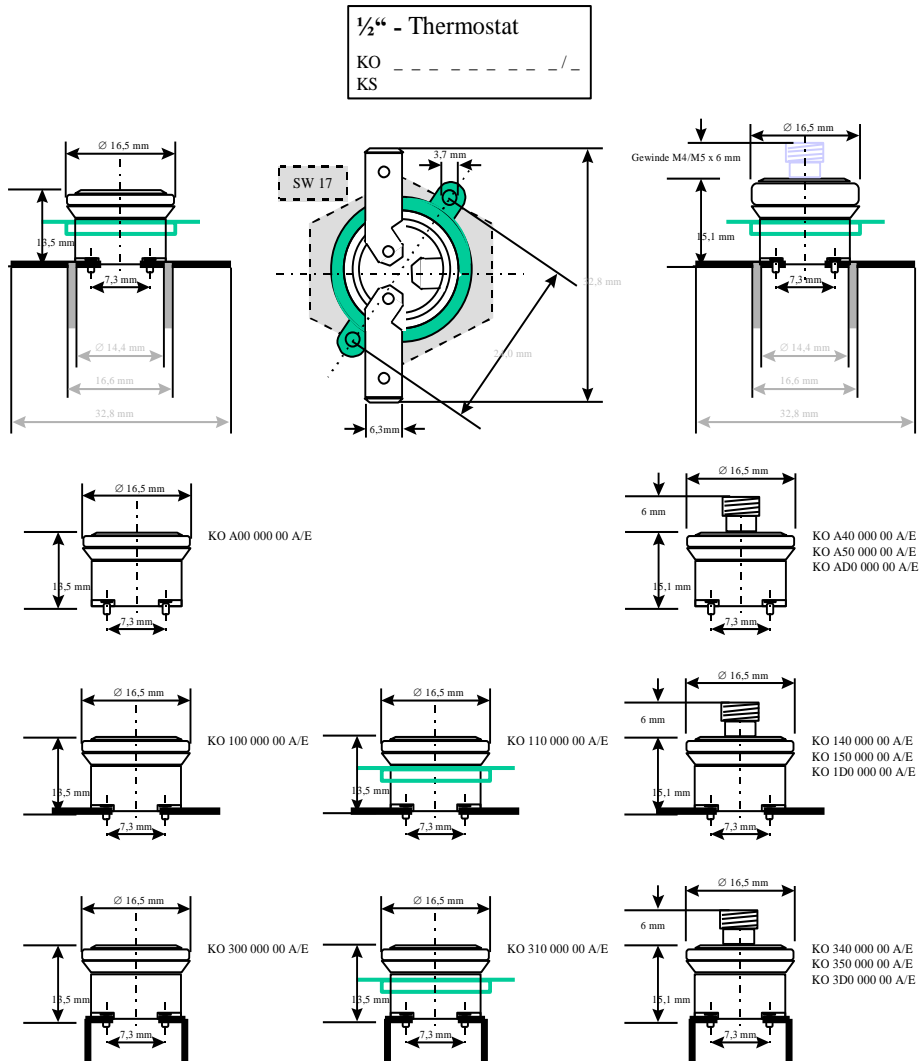




Technical Drawing



Operation

Temperature monitors open or close circuit in response to temperature changes and will automatically reset when temperature returns to normal range.

Temperature limiters open an electrical circuit when the temperature increases, but can only be closed by a manual reset.

Technical Data

Housed Thermostats

| Type | KO KS | CO CS | KB | CB |
|--|---|--------------------------------|------------------------|-------------|
| Function | O = Opener/NC S = Closer/NO | O = Opener/NC S = Closer/NO | B = Limiter | B = Limiter |
| Housing Material | Plastic | Ceramic | Ceramic | Plastic |
| Switching Voltage | Up to 250 V AC / 50 Hz | | | |
| Switching Capacity | Max. 100 W | | | |
| Switching Current and Cycles | 10 (1.6) A, 100.000 Cycles | 16 (6) A, 10.000 Cycles | | |
| Min. Switching Current | 50 mA | | | |
| Max. Switching Current | 16 A Other values upon request | | | |
| Contact Resistance | < 25 mΩ Other values upon request | | | |
| Frequency between electrical connections and closures | 2000 V _{eff} , 50 Hz | | | |
| Frequency over open contacts | 500 V _{eff} , 50 Hz | | | |
| Housing Conductivity | PTI ≥ 250 V | | | |
| Temperature Range | 50 to 180 °C Other values upon request | | | |
| Tolerance Rance | ± 5 to ± 10 K ± 3 K and other values upon request | | | |
| Standard Temperature Difference | Up to 40 K below the minimum temperature limit 30 °C Other values upon request | | | |
| Minimum Temperature Change Rate | 0,5 K/min | | | |
| Ambient Temperature Rance | -20 °C to +200 °C Other values upon request | | | |
| Housing Protection Grade | IP 40 | | | |
| Approvals | VDE SEMKO | VDE | VDE, UL, CUL, SEMKO | VDE |

Order Key

| | | |
|-------------------------|--------------------------------|---|
| 1. Position | = Housing Material | K = Kunststoff / Plastic C = Keramik / Ceramic |
| 2. Position | = Contact Type | O = Öffner / Opener S = Schließer / Closer B = Begrenzer / Limiter |
| 3. Position | = Connectors | 1 = 6,3 straight connector 3 = connector 6,3 angled up A = Soldered S = Solder contact circuit board K = Cable according to client specifications L = Wire strands according to client specifications |
| 4. Position | = Mounting | 0 = Aluminum cap without flange 1 = Aluminum cap, loose flange 0 = Aluminum cap, loose flange, both sides rounded 4 = M4x6 bolt, MS-cap 4 = M5x6 bolt, MS-cap 9 = Aluminum cap, fixed flange 90° C = Air flange D = SW17/M4x6 bolt, MS-cap |
| 5. Position | = Crimp Caps | 0 = closed aluminum crimp cap 1 = open aluminum crimp cap 4 = close brass crimp cap |
| 6.7.+8. Position | = Switching Temperature | e.g. 100 (100 °C) |
| 9.+10. Position | = Tolerance | e.g.. 05 (±5 °C) |
| 11. Position | = Specifications | D = plastic material PPS G = gold contact K = bonded cap M = brass flat connector N = protective cap V = cast T120 W = cast T200 |
| 12. Position | = Differential | A = Diff. ≤ 15k B = client specification |

Exampe:
KO 310 060 05 DA

Opener - connector 6,3 angled up, loose flange, closed aluminum crimp cap, 60 °C ±5 °C, PPS, Diff. ≤ 15k

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