

ASKOSTAT IP 66

1 188A

RAM742...

RAM743...

Temperature compensated

Electro-mechanical temperature control / safety temperature limiter

in protective housing, for mounting on pipes, with head temperature compensation



| CE 🖄 | Registered under | DM/066 622 | | St. | | |
|------------------|--|---------------|--|----------|--|--|
| | Electro-mechanical te | | | | | |
| Application | For the use in heat generator plants and other heating, ventilating, and air conditioning applications. The device is mounted on a pipe by means of a bracket. | | | | | |
| Features | Fail-safe, manual reset types, contact 1-2 will open in case of capillary failure (STL) | | | | | |
| | Nominal value adjustable from 90 °C…110 °C (STL) | | | | | |
| | Nominal value of TW variably adjustable, non fail-safe type | | | | | |
| | If nominal value is reached, the change-over switch is activated (TW-function), or the limiter switches and stays locked in this position (STL-function) | | | | | |
| | Reset is performed manually and is only possible after the sensing element is cooled off by approx. 25 ± 5 K | | | | | |
| | With compensation of ambient temperature (TW) at switching head and capillary (KTK) | | | | | |
| | Single-pole micro switch with change-over switch | | | | | |
| | Time factor of sensing element acc. EN 14597 | | | | | |
| | Operation type TW | Туре 2 В | acc. EN 14597 | | | |
| | Operation type STL | Type 2 BDFHKL | acc. EN 14597 | | | |
| Type summary | Туре | Order-no. | Range [°C] | Function | | |
| | RAM742.000A | 011-7351.10 | -550 | TW | | |
| | RAM742.001A | 011-7352.10 | 1095 | TW | | |
| | RAM742.004A | 011-7355.10 | 40130 | TW | | |
| | RAM743.404A | 011-7382.10 | 110/100/90 | STL | | |
| | | | | | | |
| Technical data | | | | | | |
| Switching system | Switching capacity acc. - Nominal voltage range - Nominal current range | ; | 24250 V~ NC 0.510 A, NO NC 0.510 A, NO | | | |

(TW)

(STL)

Protection class Protection mode of housing

Service live at nominal load

24...250 V~ NC 0.5...10 A, NO 0.5...6 A NC 0.5...10 A, NO 0.5 A min. 100'000 operation min. 15'000 operation I acc. VDE 0631 IP 66 acc. EN 60529

| Application range | Adjustable cut-off temperature ϑ_{off} Thermal switching differential Ambient temperature on housing Max. sensing element temperature Ambient temperature for storage and | (TW) (STL) d transport | see "Type summary" approx. 4.0 K ± 2.0 K max. 70 °C (T70) Temperature range +20 % 130 °C -25+75 °C | |
|-------------------|--|------------------------------|---|--|
| Calibration | Calibration tolerance Head temperature compensation Time factor in water / in oil | (TW) (STL) | ± 4 K (0-8) K 0.035 K/K <45 s / <60 s | |
| Specification | Switching head support (basic insula Capillary Sensing element Diaphragm Housing socket Housing cover Electrical connection Earth connection Cable bushing Weight without packaging and acces | | ceramic copper stainless steel Polyamide reinforced (PA), temperature stability up to 120 °C Polycarbonate (PC), temperature stability up to 120 °C screw terminals screw terminals M20 approx. 255 gr. | |
| Fitting notes | See the mounting instructions inside the package. | | | |
| Wiring diagram | | | | |
| Dimension drawing | | | Socket 005-1054 Cover 005-0551.3 Clamping band 005-0556 | |

M16

20.8

M20

67.8