

**ASKO**STAT 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	<ul> <li>Fail-safe, manual reset types, contact 1-2 will open in case of capillary failure (STL)</li> </ul>					
	<ul> <li>Nominal value adjustable from 90 °C…110 °C (STL)</li> </ul>					
	<ul> <li>Nominal value of TW variably adjustable, non fail-safe type</li> </ul>					
	<ul> <li>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)</li> </ul>					
	<ul> <li>Reset is performed manually and is only possible after the sensing element is cooled off by approx. 25 ± 5 K</li> </ul>					
	<ul> <li>With compensation of ambient temperature (TW) at switching head and capillary (KTK)</li> </ul>					
	<ul> <li>Single-pole micro switch with change-over switch</li> </ul>					
	<ul> <li>Time factor of sensing element acc. EN 14597</li> </ul>					
	<ul> <li>Operation type TW</li> </ul>	Туре 2 В	acc. EN 14597			
	<ul> <li>Operation type STL</li> </ul>	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	<b>;</b>	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 $\vartheta_{off}$ 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