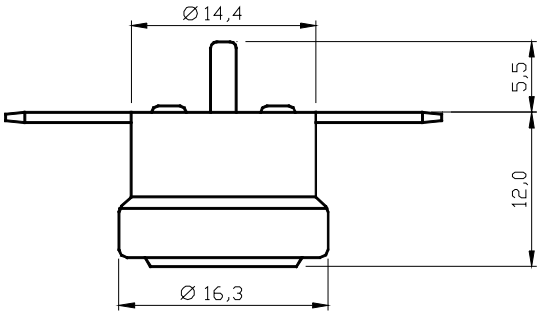
Thermal Protector Type KB

1/2" Manual Reset Thermal Control



Description:	Thermal protector with bimetal snap-action disc and manually activated reset. Opens the contact (type NC) upon rising temperature. This type of switch does not reset automatically, but needs to be reset manually by pressing the reset pin. The switching temperature is preset in the factory and cannot be adjusted subsequently. Locking caps are available in various mounting styles (see examples of design).			
Application:	In electric circuits, where for safety reasons an automatic reset must be prevented in any circumstances. The electric circuit can only be reclosed by the deliberate manual reset of the thermal protector. Suited for use in domestic and industrial heating systems and appliances, medical devices, industrial applications, dryers, etc.			
Specifications:	Contact ratings:	VDE:	250VAC, 10 (1.6) A	≥ 3,000 cycles
			250VAC, 16 (6.0) A	≥ 1,000 cycles
		UL:	250VAC, 16 (6.0) A	≥ 6,000 cycles
	Minimum switching current:	≥50mA with silver contacts, ≥10mA with gold-plated contacts		
	Contact resistance:	≤25mΩ with silver contacts, ≤10mΩ with gold-plated contacts		
	When using gold-plated contacts, only suited for application in signal circuits (low voltages and currents)!			
	Dielectric strength:	2,000Veff, 50Hz el. terminals to locking cap 500Veff, 50Hz across open contacts		
Temperatures:	Switching temperatures:	-25°C . . . +190°C	(VDE: -25°C . . . +200°C)	
	→ No automatic reset, not even at temperatures below -30°C ←			
	Ambient temperature range:	-25°C . . . +200°C		
	Standard tolerances:	± 3K, ± 5K, ± 8K	other values on request	
Certifications:	Can be delivered with VDE, UL mark. Specify when ordering!			
Terminals:	Fast-on blade terminal compliant with DIN 46244, screw-type, welding or soldering terminals (see design overview)			
Note:	Appropriate CA244 type (with sealing lip) or CA245 type connection cables are available as accessory components for the terminal configuration A004 with 90 degree angled blade terminals (6.3mm x 0.8mm). Optionally, the thermostat can be supplied with factory-terminated lead wires or stranded cable as per customer's specification.			

Examples of design:

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