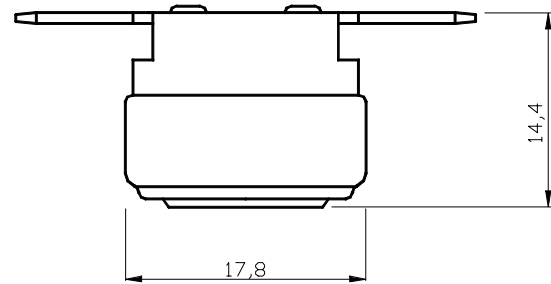


## Thermal Protector Type Cx

### 1/2" Thermostat in Ceramic Housing for 400VAC



**Description:** Thermostat with bimetal snap-action disc in ceramic housing. Opens (CO type) or closes (CS type) contacts upon rising temperature and resets automatically into the original switching state when the temperature has dropped by the differential (automatic reset). The switching temperature is preset in the factory and cannot be adjusted subsequently. Can also be manufactured with customer-specific reset temperatures.  
All current-carrying parts are electrically isolated from the locking / mounting cap.  
Locking caps are available in various mounting styles (see design overview).

**Application:** Ideally suited to control or limit a preset temperature in an environment with high ambient temperatures, e. g. baking ovens, industrial appliances, extruders, electric heating and warming devices, etc.

**Specifications:**

Contact ratings:	VDE: 400VAC, 16 (6.0) A ≥ 1,000 cycles 250VAC, 16 (6.0) A ≥ 10,000 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:	2.500Veff, 50Hz el. terminals to locking cap 500Veff, 50Hz across open contacts

**Temperatures:**

Switching temperatures:	-25°C . . . +360°C (VDE: ...+200°C)
Ambient temperature range:	-40°C . . . +380°C (VDE: -25°C . . . +200°C at the switching head)
Standard tolerance:	±5K, >200°C ±5% other values on request
Standard differential:	≤15K, other values on request (min. 5K)
	Special reset temperatures on request

**Certifications:** VDE

**Terminals:** Fast-on blade terminal compliant with DIN 46244, screw-type, welding or soldering terminals (see design overview)

**Note:** For switching temperatures >200°C, the thermal protector needs to be adapted to the required thermal and electrical parameters of the particular application (current, voltage) by using special materials. The use of special material may result in a limitation of the electrical current. Optionally, the thermostat can be supplied with factory-terminated temperature-resistant lead wires or stranded cable as per customer's specification.

**Examples of design:**



Technical specifications as stated in our data sheets are based on the results of tests carried out in the facilities of Temtech or the respective manufacturer applying standard test methods and equipment. Results obtained when using different test procedures and equipment may vary. The proper adjustment of the thermostats and any other component purchased from Temtech and proof of suitability for the intended application is the buyer's sole responsibility. Temtech makes no warranty as to mismatches of any kind. We reserve the right to make changes that serve technical progress.