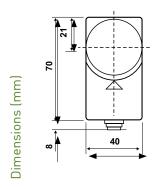
# C03

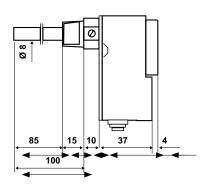




Thermostats for direct mounting on the pipeline, supplied with special casing for immersion into the controlled liquid. Suitable for boilers, heating systems, circulation pumps, burners, air heaters.



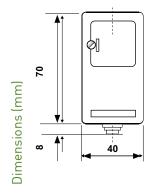


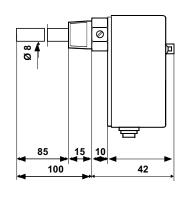


	Temperature range °C	Differential K	Calibration accuracy °C	Maximum bulb temperature °C	Protection level
C03A3	10 ÷ 90	6 ± 1	± 3	150	IP40
C03B3	40 ÷ 120	6 ± 1	± 3	150	IP40

#### **EXECUTION WITH INTERNAL REGULATION**







C03A3RI	10 ÷ 90	6 ± 1	± 3	150	IP40
C03B3RI	40 ÷ 120	6 ± 1	± 3	150	IP40

<sup>\*</sup>The differential is subtracted from the range value. The differential values refer to a thermal gradient of 1K/hour in liquid and 4K/hour in air.

# **ELECTRICAL FEATURES**

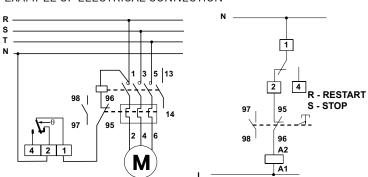
Two directions microswitch of instant action with AGcd0 contacts.

Contact parameters in compliance with EN 60730-1: 15(6) A  $250V \sim 50Hz$ .

Parameters in compliance with EN 60947-5-1:

Nominal insulation voltage: Ui 380V~. Nominal continuous current: Ith 15A.

#### **EXAMPLE OF ELECTRICAL CONNECTION**



#### STANDARDS AND CERTIFICATES

Compliance with standards EN 60947-5-1, EN 60730-1. ISPESL approval for C03A3.

## **INSTALLATION**

Direct immersion mounting of the bulb through a threaded sheath GC 1/2 PN10 (included in the package).

#### **OPERATION**

When the temperature increases: 1-2 are opening, 1-4 are closing. Liquid expansion function.

### **FEATURES**

Sensing element with stainless steel diaphragm.

Copper bulb and capillary.

Cooper sheath with connection Gc 1/2 PN10.

Base, cover and knob in shock-proof self-extinguishing thermoplastic material V0.

Electrical connection output with PVC cable gland.

Admissible body temperature: 120°C.

Storage and transport temperature: -35 ÷ 120°C.

## **ACCESSORIES**



#### 303298I A

Cable gland G1/2 for connection output in shock-proof self-extinguishing thermoplastic material V0.



#### G30

Copper sheath Gc 1/2 PN10 bar with length 100mm Ø 8mm.

## **EXECUTION UPON REQUEST WITH FIXED CALIBRATION**

Code CO3TF xxx Example: CO3TF 35 (with fixed calibration 35°C)



Calibration value

Calibration value must be between 20 ÷ 80°C.

# EXECUTION UPON REQUEST WITH SPECIAL TEMPERATURE RANGE

Code C03A3 xx - yy xx= minimal range value

yy= maximal range value

Example: C03A3 30-110 (adjustable value 30 ÷ 110°C)

## EXECUTION UPON REQUEST WITH SPECIAL TEMPERATURE RANGE

Te	mperature (	1) Scale (*)
	range	angle
	°C	°C
C03A xx yy	0 ÷ 150	80

Note: Special temperature range is chosen in the range of temperature (1) and must always exceed the set value "scale angle" (\*).

Example: 10 ÷ 90°C

15 ÷ 95°C 35 ÷ 115°C