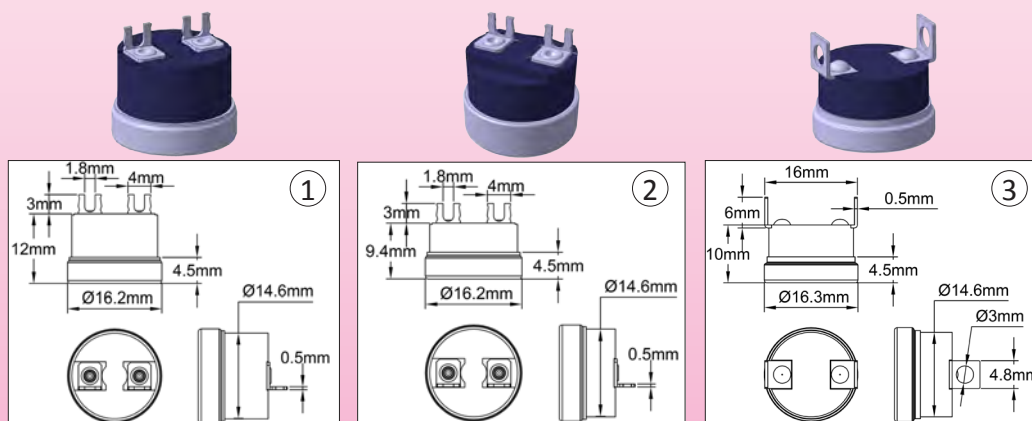


### 30 Antifreeze solutions

In the range of products we make, there are more than 30 different technical solutions and more than 150 product references to detect the freezing conditions. Those presented here are the most common ones for domestic and semi-industrial applications. For more technical solutions for industrial applications, see the Y8 range of control boxes on pages 55 and following. For explosion proof applications, see the Atex thermostats catalogue and their installation inside Y8 and Y9 series cabinets. For specific applications please do not hesitate to contact us

### Electromechanical antifreeze protection devices , fixed setting types

#### Anti-freeze thermostat, for mounting on heating cable end, in silicone cap type A or K

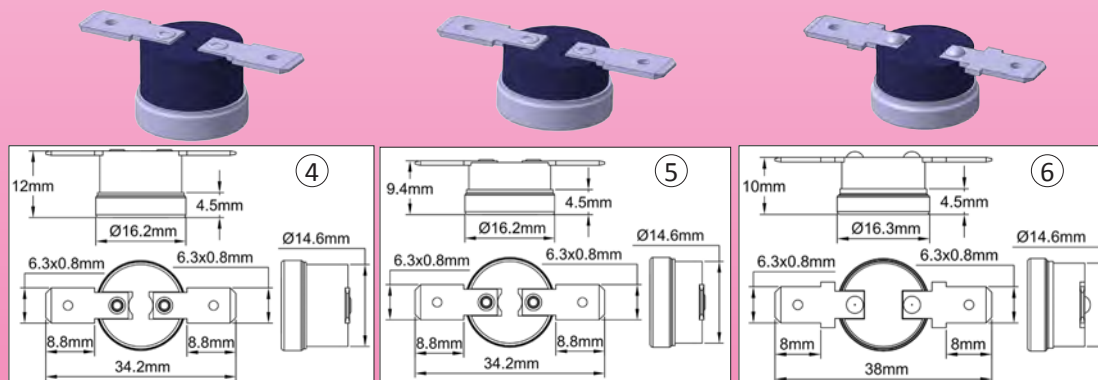


This disc thermostat is adapted to cable end mounting, with small size solder terminals and aluminum cup. It withstands silicone or epoxy filling. See page 93 for assembly method. Thermostat opens on temperature rise

Reference	Open (°C)	Close (°C)	Rating (250VAC)	Type
4903EJ01006CUSV0	10+/-3	4+/-3	16A	1
4911NP01006CUSV0	10+/-3	4+/-3	10A	2
4993AJ00805HCSV0	8+/-3	3+/-2.5	8 A	3

Other set points, terminals or brackets: contact us

#### Thermostat for end cable connection with shrinkable sleeves



Anti-freeze thermostat, for mounting on heating cable end under double wall shrinkable sleeve, with 6.3 x 0.8 horizontal tab terminals, for faston connectors or soldering. Aluminum temperature sensing cup. Contact opens on temperature rise.

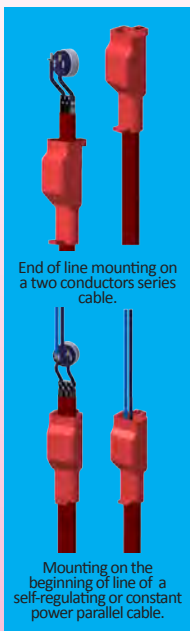
Reference	Open (°C)	Close (°C)	Rating (250VAC)	Type
4903EJ01006CL6H0	10+/-3	4+/-3	16A	4
4911NP01006CL6H0	10+/-3	4+/-3	10A	5
4993AJ00805HL6H0	8+/-3	3+/-2.5	8 A	6

Other set points, terminals or brackets: contact us

# Specific accessories for heat tracing

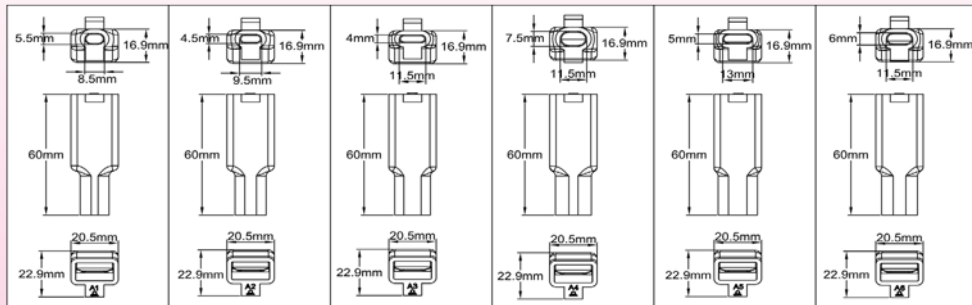
## Thermostats

### Silicone connection sleeve type A for in-line integration of a disc thermostat on a constant power parallel cable, on a self-regulating cable, or on a two conductor series cable, with or without metal braid



End of line mounting on a two conductors series cable.

Mounting on the beginning of line of a self-regulating or constant power parallel cable.



They allow the connection of heating cables on disc thermostats. Specifically intended for domestic anti-freeze tracing. When the assembly and filling are performed according to installation instructions, they provide an IP65 seal. They advantageously replace the heat-shrinkable sleeves commonly used for this application which do not always provide a perfect seal.  
 Average volume of silicone needed for filling: 4.8 ml  
 Compatible anti-freeze thermostat: see page 92  
 End of line mounting on a two conductors series cable  
 Mounting on the beginning of line of a self-regulating or constant power parallel cable

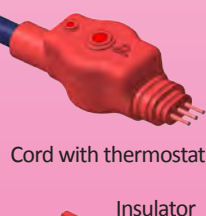
Reference	N°	Hole	Cable gauge
6YTNA1M085055056	A1	8.5 x 5.5	9 x 6 to 9.5 x 6.5
6YTNA2M095045056	A2	9.5 x 4.5	10 x 5 to 10.5 x 5.5
6YTNA3M115040056	A3	11.5 x 4	12 x 4.5 to 12.5 x 5
6YTNA4M115075056	A4	11.5 x 7.5	12 x 8 to 12.5 x 8.5
6YTNA5M130050056	A5	13 x 5	13.5 x 5.5 to 14 x 6
6YTNA6M115060056	A6	11.5 x 6	12 x 6 to 12.5 x 7

Packaging: 10 pieces bag

### Cord Type K with silicone encapsulated anti-freeze thermostat, for connecting on the beginning of line of a self-regulating or constant power parallel heating cable, with or without metal braid.

This encapsulated cord H03VVF 0.75 mm<sup>2</sup> or H05VVF 1 mm<sup>2</sup>, incorporates an anti-freeze thermostat. It is intended for use on self-regulating or constant power heating cables (the thermostat is in series with the power supply). Particularly intended for domestic antifreeze tracing, they consist of three parts: the encapsulated cord 2 or 3 wires of 0,75mm<sup>2</sup> or 1mm<sup>2</sup> integrating the thermostat described on page 92, a silicone sleeve for protecting the heating cable welds on the cap terminals, intended to be silicone filled, and an insulation system avoiding leads to touch each other while filling.  
 They are available with or without grounding. Average volume of silicon needed for filling: 1 ml  
 Packaging: 10 pieces box

#### Sub-assembly thermostat + cord

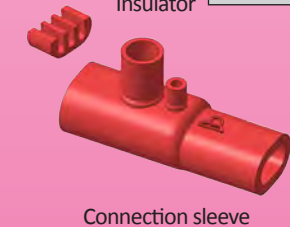


Cord with thermostat

Reference	Type of cord
6YTDD20751001004	2 x 0.75mm <sup>2</sup> , length 1 m, Euro plug 6A with 2 pins
6YTDD20751501004	2 x 0.75mm <sup>2</sup> , length 1.5 m, Euro plug 6A with 2 pins
6YTDD20752001004	2 x 0.75mm <sup>2</sup> , length 2 m, Euro plug 6A with 2 pins
6YTTC30751001004	3 x 0.75mm <sup>2</sup> , length 1m, Euro plug 10A with ground
6YTTC30751501004	3 x 0.75mm <sup>2</sup> , length 1.5 m, Euro plug 10A with ground
6YTTC30752001004	3 x 0.75mm <sup>2</sup> , length 2 m, Euro plug 10A with ground

Reference	Type of cord
6YTDD21001001004	2 x 1mm <sup>2</sup> , length 1 m, Euro plug 6A with 2 pins
6YTDD21001501004	2 x 1mm <sup>2</sup> , length 1.5 m, Euro plug 6A with 2 pins
6YTDD21002001004	2 x 1mm <sup>2</sup> , length 2 m, Euro plug 6A with 2 pins
6YTTC31001001004	3 x 1mm <sup>2</sup> , length 1m, Euro plug 10A with ground
6YTTC31001501004	3 x 1mm <sup>2</sup> , length 1.5 m, Euro plug 10A with ground
6YTTC31002001004	3 x 1mm <sup>2</sup> , length 2 m, Euro plug 10A with ground

#### Sleeve and insulator sub-assembly for heating cable

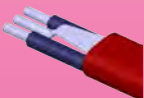


Insulator

Connection sleeve

Reference	Marking	Hole	Description
6YTNC4085055056	K4	8.5 x 5.5	Sleeve for silicone filling, mounts on heating cable 9 x 5 mm to 11 x 7 mm
6YTNC5098055056	K5	9.8 x 5.5	Sleeve for silicone filling, mounts on heating cable 10 x 5 mm to 12 x 7 mm
6YTNC6115055056	K6	11,5 x 7,5	Sleeve for silicone filling, mounts on heating cable 12 x 8 mm to 14 x 9 mm

#### Procedure (connection via tin solder with silicone filling)



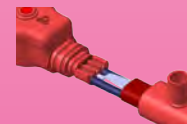
Unsheathe of 20mm, splice and tin the protective braid if there is one and, if the cable is a self regulating one, cut the semiconductor area on 10 mm. Strip the leads of 6mm, then tin them.



Slide the sleeve on the heating cable.



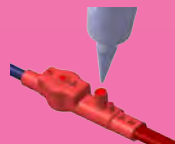
Solder the heating cable leads to the outputs of the thermostat equipped cord. Thermostat middle output is the earth, weld the protective braid on this one



Position the silicone insulator between the leads.



Slide the sleeve A8 to the end of the cord until it snaps in.



Fill with silicone in the larger hole, the little hole is used for degassing.



After vulcanization, cut the two vents used for filling.

**Warning :** Some silicone are electrical conductive before vulcanization. Please wait full vulcanization before connecting to power supply

Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

