



MSH Anti-condensation motor heater

Features

- Easy to connect thanks to its parallel structure
- High watts density power output
- Extremely flexible in a temperature range -50 °C up to +180 °C with high di-electric strength

Description

This highly flexible heating cable is used as an anti-condensation heater for electric motors and generators. The device offers added protection against corrosion damage that usually results in machine breakdowns by effectively preventing the formation of condensation water even under extreme climatic conditions.

Special versions on request

- differing supply voltage
- differing heating cables
- special heating cable length

Structure

MSH ant-condensation heaters are pre-wired, ready-to-use parallel heating cables with cold lead ends. Consisting of two parallel flexible copper leads with silicone glass-fibre insulation, the heating element of CuNi or NiCr alloy is wound around the cable. The 0.37 m long cold lead ends of FEP insulated stranded copper flex terminate the heating cable. The outer jacket consists of glass-fibre, covered with silicone rubber. Both ends of the heating cable are sealed with silicone rubber.

Function

The heating cables are integrated directly into the windings, i.e. built around the winding armature. Heat transfer is improved dramatically since the windings during the impregnation process.

Technical data

Material

Heating elements CuNi or NiCr
 Insulation alkali-free glass-fibre with silicone rubber
 Connection leads 2 x FEP-insulated stranded copper flex, 0.5 mm² with crimped sleeve

Bending radius ≥ 25 mm

Electrical data

Heat output

12.5 W, 25 W, 50 W, 75 W, 100 W

Watts density

50 W/m at nominal voltage

Nominal voltage

standard 230 V
 (special 110 V, others on request)

Permissible excess voltage

1.2 x nominal voltage

Test voltage

2000 V to earth

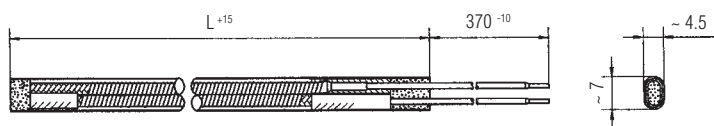
Temperature resistance class

H = +180 °C

Temperature range

-50 °C up to +180 °C

Dimensions



Selection chart

Operating voltage	Code no.	Heating output	Cable length	Code no.
110 V	6	12.5 W	250 mm	012
		25 W	500 mm	025
230 V	7	50 W	1000 mm	050
		75 W	1500 mm	075
Special voltage	9	100 W	2000 mm	100

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