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HS- 050.37E

hotspring® COIL HEATERS HOTSET

hotspring® / M (WRP / M)

hotspring® / M

Coil Heater
casted in brass

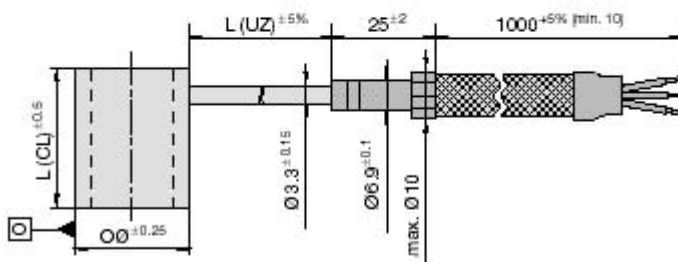
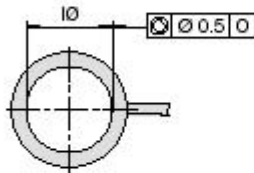


TECHNICAL DATA

- hotspring® coil heater with round cross-section \varnothing 4.0 mm
- Sheath material: Stainless Steel
- Insulation sheath: high-compressed MgO
- Heating conductor compound: NiCr 8020
- Sheath temperature of heating element: max. 750 °C
- Voltage: max. 250 V, Standard: 230 V
- Power tolerance (cold): \pm 10% (< on request)
- High voltage strength (cold): min. 800 V-AC
- Insulation resistance (cold): > 5 M Ω at 500 V-DC
- Leakage current (cold): < 0.5 mA at 253 V-AC
- Exit axial, radial or tangential,
- max. total length straight: 3000 mm
- min. length of unheated zone
L_{uz}: 25 mm plus connection head 25 mm
- Length tolerance: heated zone: \pm 2.5%
unheated zone: \pm 5%
- Inner diameter tolerances up to \varnothing 12 mm -0.05/-0.20
up to \varnothing 30 mm -0.10/-0.30
up to \varnothing 50 mm -0.20/-0.40
> \varnothing 50 mm on request
- Sheath surface load according to operating temperature and heat dissipation, max.
- minimum bending radius (internal): 5 mm
- Connection versions see page 2
- for connection-temperatures max. 260 °C
- deliverable with or without integrated thermocouple Fe-CuNi (type J, Standard) or NiCr-Ni (type K) (IEC 60584) (ungrounded (standard) or grounded)
- deliverable with clamping band or clamping element
- optional IP 68 water-immersion-protected with water proof connection zone, for connection-temperatures max. 300 °C, connection leads PTFE insulated Ni-leads on request

Other dimensions and product varieties on request.

We reserve the right to change technical details.



Measures in mm.
L(CL) Coiled length
L(UZ) Length unheated zone

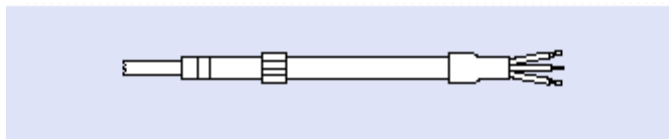
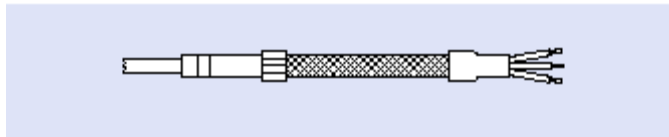
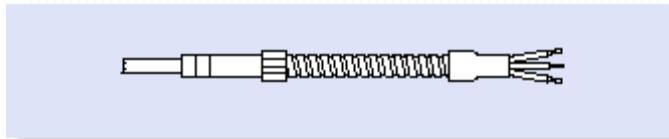
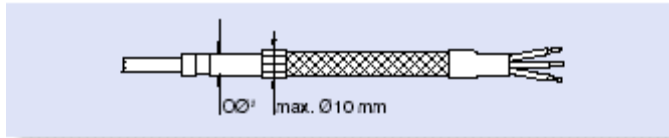
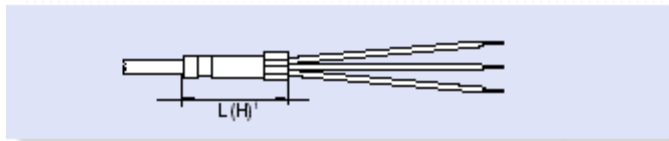
ORDER DETAILS

hotspring® / M

Aplicación

- Inner \varnothing :
- Tolerance Inner \varnothing
- Length CL
- Position of coils
- Wattage.....
- Voltage.....
- Exit
- Connection length
- Thermocouple
- Length of unheated zone
- Protection tube
- Quantity.....

CONNECTION VERSIONS hotspring® /M



Type N

- PTFE insulated Cu-nickel plated leads, multistranded (Standard)
- with ground wire

Type NG

- PTFE insulated Cu-nickel plated leads, multistranded (Standard) with glass silk insulated protective sleeving
- with ground wire

Type NM

- PTFE insulated Cu-nickel plated leads, multistranded (Standard) with flexible metal sleeving
- with ground wire

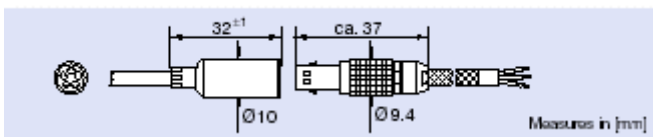
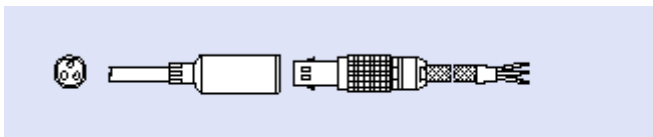
Type ND

- PTFE insulated Cu-nickel plated leads, multistranded (Standard) with braided metal sleeving
- with ground wire

Type NT

- PTFE insulated Cu-nickel plated leads, multistranded (Standard) with PTFE-sleeving
- with ground wire

(1) length of head L = 25 mm (Standard) or 20 mm
 (2) other types on request



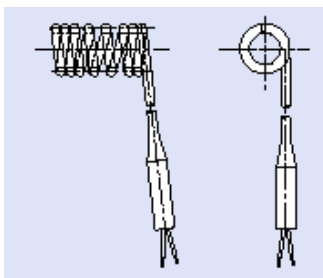
Plug connection, with 3 pins

maximum current at 20 °C max. 8,0 A

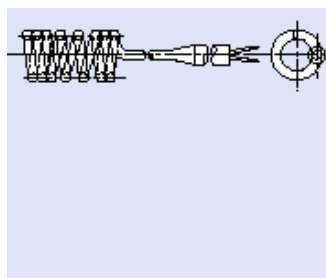
Plug connection, with 5 pins

maximum current at 20 °C max. 6,5 A

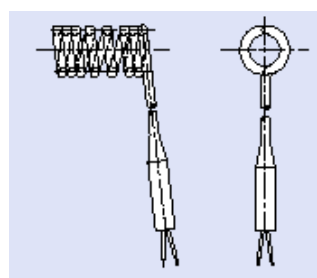
EXITS



Tangential



Axial



Radial