

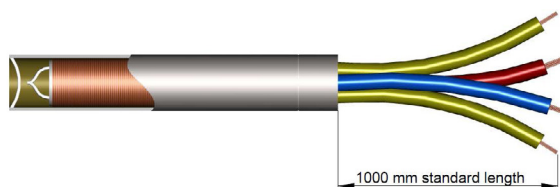
CARTRIDGE HEATERS - Ø10 MM WITH BUILT-IN THERMOCOUPLE

Properties

The standard range of cartridge heaters in stock are used for heating of solid, liquid or gas in a wide range of industrial and engineering applications within plastic-, packaging-, rubber-, wood- and paper industry, foundries, medicine technical and laboratorial industry.

Typical applications are heating of moulds, hotplates, tools for sealing and marking equipment etc.

The cartridge heater design, with a resistance wire wrapped around a magnesium oxide core positioned close to the metal casing, gives an excellent heat distribution allowing a very high power at a limited space.



Technical specification

Material	Cartridge Ø10 mm in stainless steel EN 1.4541/AISI 321 with a built-in thermocouple Fe-CuNi type J positioned according to variant 2
Inactive lengths	5 mm at bottom end, 10 mm at connection end
Heater voltage	230 V
Electric connection	Internal cable connection with 1000 mm high temperature resistant cables 260°C
Assembly	Reamed hole min H7 tolerance is required for cartridges with surface power density $\leq 20 \text{ W/cm}^2$ Higher loads requires individual adjustment Hole should be deeper than the cartridge length
Diameter tolerance	-0.04 to -0.07 mm
Length tolerance	$\pm 2 \text{ mm} \leq 100 \text{ mm}$ och $\pm 2 \% \geq 100 \text{ mm}$ cartridge length
Power tolerance	+5% / -10%
Surface power density	W/cm ² acc. values in table
Standards	CE, EN 60335-1

Options

Assembly paste Loctite 8009 article no 3051773101

Lubricating spray article no 3050028001

Accessories such as alternative cable outlets and protections, connections, fittings water proof sealing etc. in separate data sheets

Other voltages, wattages, lead lengths and dimensions in inches available on request

Cartridge heaters with built-in thermocouple in different positions variant 1 and 3-4.

UL-approved cartridges available on request

Technical information and assembly

Instructions at assembly and disassembly, diagrams etc. in separate information sheet

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Standard assortment

Length mm	Power W	Load W/cm ²	Article no
40	150	18	3100400151
40	200	24	3100400201
40	250	30	3100400251
50	200	18	3100500201
50	250	22	3100500251
50	300	26	3100500301
60	250	18	3100600251
60	300	21	3100600301
60	400	28	3100600401
80	250	12	3100800251
80	300	15	3100800301
80	400	20	3100800401
100	300	11	3101000301
100	400	15	3101000401
100	500	19	3101000501
130	300	8	3101300301
130	400	11	3101300401
130	500	14	3101300501
160	400	9	3101600401
160	600	13	3101600601