

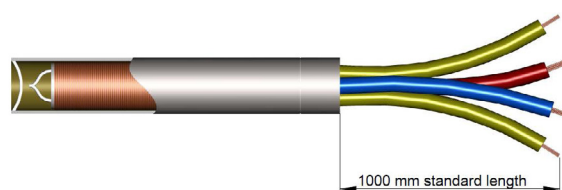
CARTRIDGE HEATERS - Ø12.5 MM WITH BUILT-IN THERMOCOUPLE

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 Ø12.5 mm in stainless steel EN 1.4541/AISI 321 with a built-in thermocouple Fe-CuNi type J positioned
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	-0.05 to -0.08 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	200	20	3120400201
40	250	25	3120400251
50	300	22	3120500301
50	400	29	3120500401
60	300	17	3120600301
60	400	23	3120600401
80	400	16	3120800401
80	500	20	3120800501
100	500	15	3121000501
130	600	14	3121300601
160	800	13	3121600801
200	1000	14	3122001001
250	1250	14	3122501251
300	1500	14	3123001501