CARTRIDGE HEATERS - Ø6.5 MM WITH BUILT-IN THERMOCOUPLE

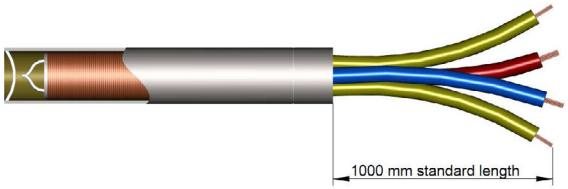
BACKER

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 Ø6.5 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 ≤ 20 W/cm² Higher loads requires individual adjustment Hole should be deeper than the cartridge length
Diameter tolerance	-0.03 to -0.05 mm
Length tolerance	±2 mm ≤ 100 mm och ±2 % ≥ 100 mm cartridge length
Power tolerance	+5% / -10%
Surface power density	W/cm² 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/cm²	Article no
40	125	22	3060400126
40	150	27	3060400151
40	175	31	3060400176
40	200	36	3060400201
50	150	20	3060500151
50	175	24	3060500176
50	200	27	3060500201
50	250	34	3060500251
60	200	21	3060600201
60	250	26	3060600251
60	300	32	3060600301
80	200	15	3060800201
80	250	19	3060800251
80	300	22	3060800301
100	250	15	3061000251
100	300	17	3061000301
100	400	23	3061000401

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