<table>
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<tr>
<th>EUROMAP 14</th>
<th>Injection Moulding Machines Hotrunners and Electrical Mould Heating Equipment Electrical Interface Part 2 Heating Resistors</th>
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Version 1.6, June 2021
7 pages

This recommendation was prepared by the Technical Commission of EUROMAP.
## History

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
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<tbody>
<tr>
<td>October 2006</td>
<td>1.1</td>
<td>A further supplier added</td>
</tr>
<tr>
<td>July 2007</td>
<td>1.2</td>
<td>Supplier's data amended</td>
</tr>
<tr>
<td>November 2009</td>
<td>1.3</td>
<td>A further supplier added</td>
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<tr>
<td>February 2015</td>
<td>1.4</td>
<td>A further supplier added</td>
</tr>
<tr>
<td>May 2015</td>
<td>1.5</td>
<td>List of plug suppliers removed. Please visit <a href="http://www.euromap.org/technical-issues/technical-recommendations">www.euromap.org/technical-issues/technical-recommendations</a> for the current list.</td>
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<tr>
<td>June 2021</td>
<td>1.6</td>
<td>Table 2 corrected (neutral plug contacts)</td>
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1 Scope and Application

This EUROMAP recommendation defines the connection between the injection moulding machine and the heating resistors. This is intended to provide interchangeability.

2 Description

The recommendation describes two different connections:
- for eight heating resistors with a maximum current of 16 A (Fig. 1, 2, Table 1)
- for three heating resistors with a maximum current of 35 A (Fig. 3, 4, Table 2).

3 Plug and socket outlet

The connection between the injection moulding machine and the heating resistors is achieved by the plugs specified below 1). For the injection moulding machine the plug contacts are female.

Arrangements of pins and sockets viewed from the mating side (opposite the wiring side).

![Figure 1: Plug on the heating resistors (16 A)](image1)
![Figure 2: Plug on the injection moulding machine (16 A)](image2)

1) See [www.euromap.org/technical-issues/technical-recommendations](http://www.euromap.org/technical-issues/technical-recommendations) for suppliers
Table 1: Plug contact assignment for max. 16 A heating resistors

<table>
<thead>
<tr>
<th>Plug contact No</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1, 9</td>
<td>Heating resistor No 1; neutral on plug contact No 9</td>
</tr>
<tr>
<td>2, 10</td>
<td>Heating resistor No 2; neutral on plug contact No 10</td>
</tr>
<tr>
<td>3, 11</td>
<td>Heating resistor No 3; neutral on plug contact No 11</td>
</tr>
<tr>
<td>4, 12</td>
<td>Heating resistor No 4; neutral on plug contact No 12</td>
</tr>
<tr>
<td>5, 13</td>
<td>Heating resistor No 5; neutral on plug contact No 13</td>
</tr>
<tr>
<td>6, 14</td>
<td>Heating resistor No 6; neutral on plug contact No 14</td>
</tr>
<tr>
<td>7, 15</td>
<td>Heating resistor No 7; neutral on plug contact No 15</td>
</tr>
<tr>
<td>8, 16</td>
<td>Heating resistor No 8; neutral on plug contact No 16</td>
</tr>
</tbody>
</table>

Table 2: Plug contact assignment for max. 35 A heating resistors

<table>
<thead>
<tr>
<th>Plug contact No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1, 2</td>
<td>Heating resistor No 1; neutral on plug contact No 2</td>
</tr>
<tr>
<td>3, 4</td>
<td>Heating resistor No 2; neutral on plug contact No 4</td>
</tr>
<tr>
<td>5, 6</td>
<td>Heating resistor No 3; neutral on plug contact No 6</td>
</tr>
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</table>
4 Sources of supply

A list of plug suppliers is available for download on the EUROMAP website: www.euromap.org/technical-issues/technical-recommendations
EUROMAP

Europäisches Komitee der Hersteller von Kunststoff- und Gummi-maschinen

European Committee of Machinery Manufacturers for the Plastics and Rubber Industries

Comité Européen des Constructeurs de Machines pour Plastiques et Caoutchouc

Comitato Europeo Costruttori Macchine per Materie Plastiche e Gomma

See you again

http://www.euromap.org