

<p><b>EUROMAP 14 Part 2</b></p>	<p><b>Injection Moulding Machines Hotrunners and Electrical Mould Heating Equipment Electrical Interface Part 2 Heating Resistors</b></p>
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**Version 1.5, May 2015**  
7 pages

This recommendation was prepared by the Technical Commission of EUROMAP.

## History

Date	Version	Changes
October 2006	1.1	A further supplier added
July 2007	1.2	Supplier's data amended
November 2009	1.3	A further supplier added
February 2015	1.4	A further supplier added
May 2015	1.5	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.

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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

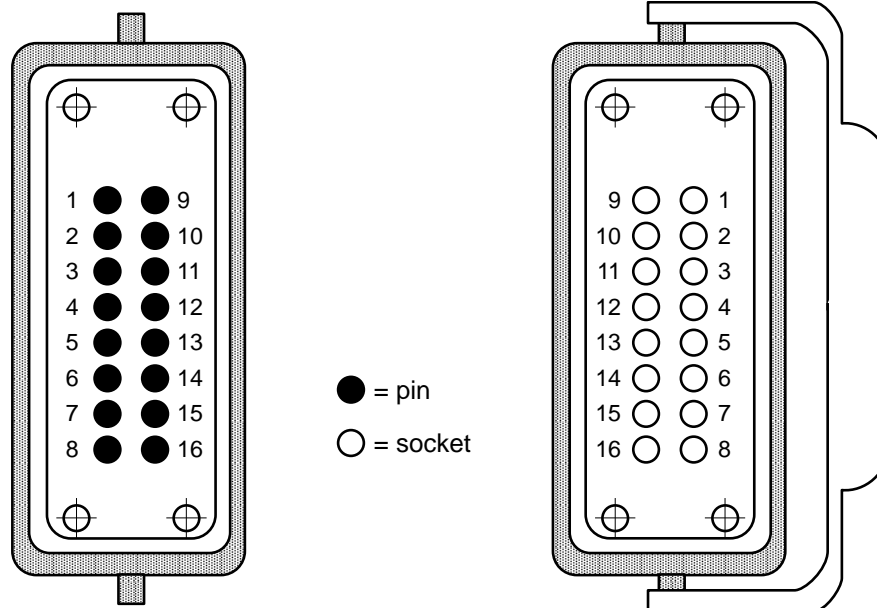
The recommendation describes two different connections:

- 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 <sup>1)</sup>. 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)**

**Figure 2: Plug on the injection moulding machine (16 A)**

<sup>1)</sup> See [www.euromap.org/technical-issues/technical-recommendations](http://www.euromap.org/technical-issues/technical-recommendations) for suppliers

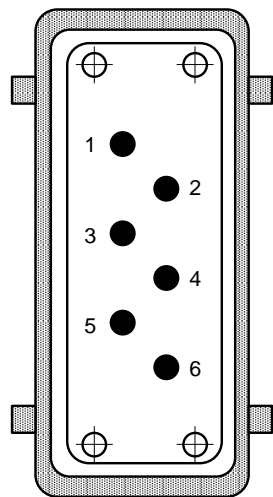


Figure 3: Plug on the heating resistors (35 A)

● = pin  
○ = socket

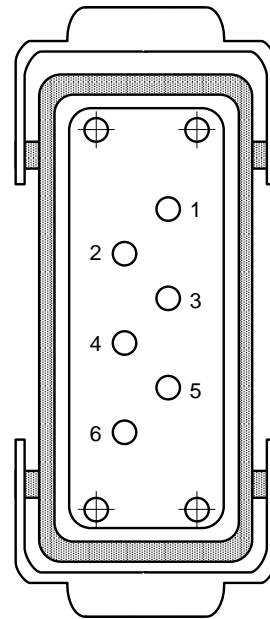


Figure 4: Plug on the injection moulding machine (35 A)

Table 1: Plug contact assignment for max. 16 A heating resistors

Plug contact No	Description
1, 9	Heating resistor No 1; neutral on plug contact No 9
2, 10	Heating resistor No 2; neutral on plug contact No 10
3, 11	Heating resistor No 3; neutral on plug contact No 11
4, 12	Heating resistor No 4; neutral on plug contact No 12
5, 13	Heating resistor No 5; neutral on plug contact No 13
6, 14	Heating resistor No 6; neutral on plug contact No 14
7, 15	Heating resistor No 7; neutral on plug contact No 15
8, 16	Heating resistor No 8; neutral on plug contact No 16

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

Plug contact No	Description
1, 2	Heating resistor No 1; neutral on plug contact No 2
3, 4	Heating resistor No 2; neutral on plug contact No 3
5, 6	Heating resistor No 3; neutral on plug contact No 3

## 4 Sources of supply

A list of plug suppliers is available for download on the EUROMAP website:

[www.euromap.org/technical-issues/technical-recommendations](http://www.euromap.org/technical-issues/technical-recommendations)

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