EUROMAP 14 Part 2	Injection Moulding Machines Hotrunners and Electrical Mould Heating Equipment Electrical Interface Part 2 Heating Resistors

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7 pages

This recommendation was prepared by the Technical Commission of EUROMAP.

www.euromap.org

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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 www.euromap.org/technical-issues/technical-recommendations for the current list.
June 2021	**1.6**	Table 2 corrected (neutral plug contacts)

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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 resitors 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).

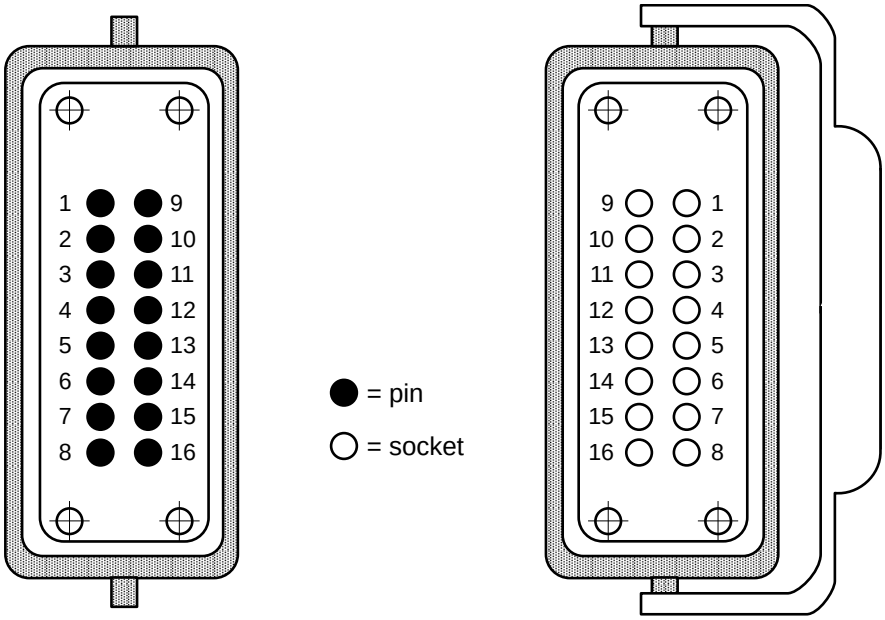

Figure 1: Plug on the heating resistors (16 A)

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

[1)] See www.euromap.org/technical-issues/technical-recommendations for suppliers

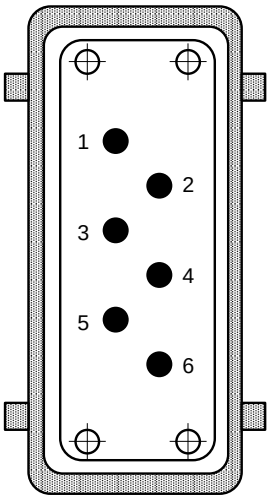

Figure 3: Plug on the heating resistors (35 A)

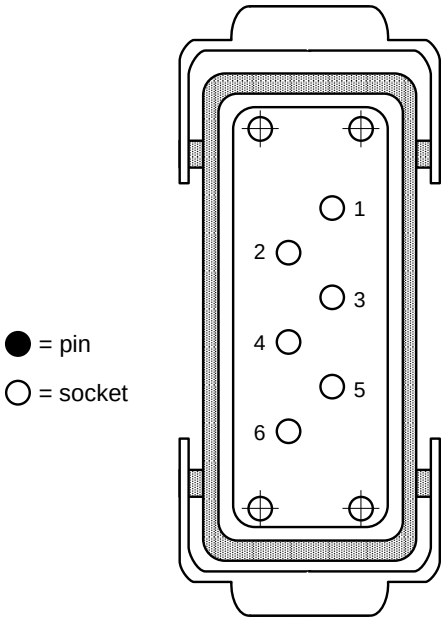

Figure 4: Plug on the injection moulding machine (35 A)

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 4
5, 6	Heating resistor No 3; neutral on plug contact No 6

4 Sources of supply

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

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