

This recommendation was prepared by the Technical Commission of EUROMAP.

A further supplier added (v. 1.1).  
Plug types added (v. 1.2).  
A further supplier added (v. 1.3).

### 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

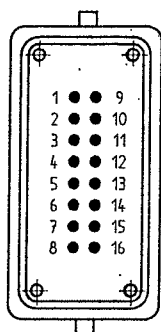
The recommendation describes two different connections:

- 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.

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



● = pin  
○ = socket

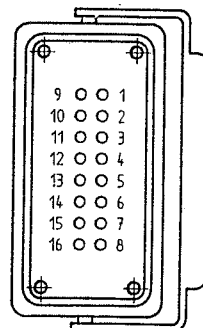
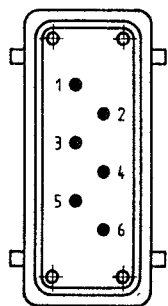


Figure 1: Plug on the heating resistors (16A)

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

<sup>1)</sup> See page 2 for suppliers



● = pin  
○ = socket

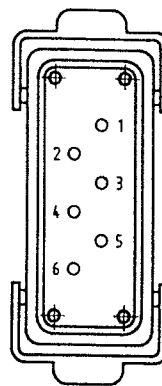


Figure 3: Plug on the heating resistors (35 A)

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

## Sources of supply

The plugs are available from the following manufacturers, e.g.:

- Contact GmbH, Gewerbestr. 30, 70565 Stuttgart/Germany  
for 16 A: Type: HBE 16; for 35 A: Type: H-BS 6
- HARTING Electric GmbH & Co. KG, Wilhelm-Harting-Str. 1, 32339 Espelkamp/Germany  
for 16 A: Type: Han E 16; for 35 A: Type Han 6 HsB
- I.L.M.E. SPA., Via Marco Antonio Colonna 9, 20149 Milano/Italy  
for 16 A: Type: CNE/CCE/CSE 16; for 35 A: Type CP 06
- Tyco Electronics AMP GmbH, HTS Div., Ohlenhohnstr. 17, 53819 Neunkirchen/Germany  
for 16 A: Type: HE 16; for 35 A: Type HSB 6-35
- Walter-Werke GmbH, Postfach 1180, 67298 Eisenberg/Germany  
for 16 A: Type: B 16; for 35 A: Type BA 35
- Weidmüller Interface GmbH & Co. KG, Klingenbergstr. 16, 32758 Detmold/Germany  
for 16 A: Type: HE 16; for 35 A: Type HSB 6
- Wieland Electric GmbH, Brennerstr. 10-14, 96052 Bamberg/Germany  
for 16 A: Type: revos BASIC; for 35 A: Type revos POWER
- Westec S.r.L., Via Fiume Lambro 1, 20097 San Donato Milanese/Italy  
for 16 A: Types: S-A 16, S-E 16, S-ES; for 35 A: Type: S-HSB-6P

The plugs from these suppliers are interchangeable.

**Note: Further suppliers are invited to be listed.**

# **EUROMAP**

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