

Version 1.2, November 2009
(3 pages)

This recommendation was prepared by the Technical Commission of EUROMAP.

Supplier's data updated (v. 1.1).

Further supplier added (v. 1.2)

1. SCOPE AND APPLICATION

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

The connection may be used for eight thermocouples.

2. DESCRIPTION

The material of the plug contact shall preferably be the same as the thermocouples.

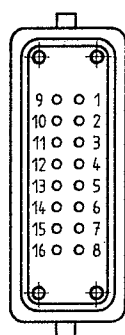
3. TYPE OF THERMOCOUPLES

Thermocouples as described in IEC 584 part 1, type Fe-CrNi (J) should be used.

4. PLUG AND SOCKET OUTLET

The connection between the injection moulding machine and the thermocouples is achieved by the plugs specified below ¹⁾. The male side of the plug is fitted to the injection moulding machine.

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



● = pin
○ = socket

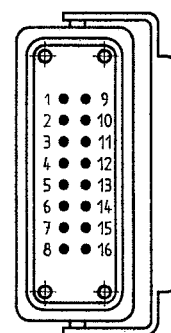


Figure 1: Plug on the thermocouples

Figure 2: Plug on the injection moulding machine

¹⁾ See page 2 for suppliers

Table 1: Plug contact assignment

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

SOURCES OF SUPPLY

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

- Contact GmbH, Gewerbestr. 30, 70565 Stuttgart/Germany
Type: H-A 16
- HARTING Electric GmbH & Co. KG, Wilhelm-Harting-Str. 1, 32339 Espelkamp/Germany
Type: Han 16 A
- Tyco Electronics AMP GmbH, HTS Div., Ohlenhohnstr. 17, 53819 Neunkirchen/Germany
Type: H A 16
- I.L.M.E. SPA, Via Marco Antonio Colonna 9, 20149 Milano/Italy
Types: CDA 16, CDC 16
- Walter-Werke GmbH, Postfach 1180, 67298 Eisenberg/Germany
Type: A 16
- Westec S.r.L., Via Fiume Lambro 1, 20097 San Donato Milanese/Italy
Type: S-A 16

The plugs from these suppliers are interchangeable.

Note: Further suppliers are invited to be listed.

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>