

Siemens.com/mobility

Plugboards and Ancillary Parts

A thermoset polyester plastic moulded plugboard

Plugboard

The plugboard is a grey thermoset polyester plastic moulding. Two M5 clearance holes allow assembly of the plugboard to a sub-frame and provision is made to locate the relay retaining clip.

On the rear (wiring) side of the plugboard, style QC connectors, crimped to the equipment wires, are fitted in positions identified alpha-numerically.



Assured Interlocking

The relay plugs into the opposite side and correct interlocking is assured by the fact that only those holes are drilled in the plugboard that match the interlocking pin arrangement (pin code) on the relay base.

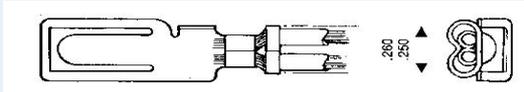
Identification of the correct relay is also made by provision of a small label situated between the interlocking holes that states either the pin code or the Siemens specification number.

The pin code or the Siemens specification number is also found on the relay unit label.

Ordering information

SIEMENS Part No.	DESCRIPTION	REMARKS
E7218/1	UNDRILLED PLUGBOARD	
J4138/-	DRILLED PLUGBOARD	
J4136/1	RELAY RETAINING CLIP	
J4137/3	Q-CRIMP CONNECTOR	

Crimp Connectors

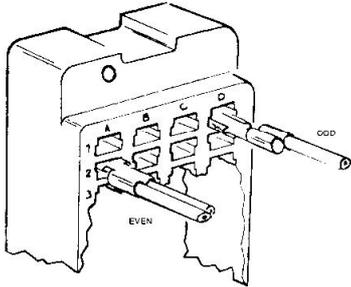


Style QC Crimp Connector

Connector J4137/3 is suitable for most commonly used wires. It is tin plated and compatible with all Siemens Rail Automation Style Q plugboards.

One or two wires may be simultaneously crimped to a connector and the wire insulation is normally clamped by the crimping process. Wires may be soldered after crimping, if desired.

Note: Connectors should only be removed using special tool J4489/3.



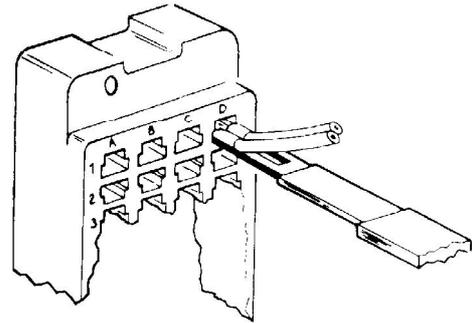
View showing assembly of Connectors into Plugboard

CAUTION:

Before inserting the connector, check that the small stop adjacent to the crimped wire is perpendicular to the blade. If not, it is possible for the connector to be pushed in too far which may result in it shorting against the adjacent connector.

Insert connector (Using tool J4489/4 if desired) until it is felt to latch. Check for retention by pulling gently.

Connector removal



View showing removal of Connectors from Plugboard

Insert tool (J4489/3) into wide section of connector slot up to its shoulder. Grasp the wire(s) and tool and withdraw together.

Retaining clip

Relay retaining clip, J4136/1, is for Q relay and Relay units. It locates in a groove at either end of the plugboard. Once the relay is plugged into the plugboard, the retaining clip is stretched over the relay handle to rest in a groove centrally positioned on the handle.

Note: The Retaining Clip is not required for Train Carried Relays.

CAUTION:

When fitting the retaining clip to the plugboard (especially if the relay is not plugged in), ensure that the shaped end of the clip has its outermost portion below the centre line of the plugboard.

Note: Refer to Data Sheet Part 8.2 for details of the relay tools



Un-drilled plugboard
Part No. E7218/1

Representation of Relay,
Plugboard and Retaining clip
(Clip Part No. J4136/1)



Crimp extraction tool
Part No. J4489/3



Relay Q-Crimps
Part No. J4137/3