

Product features

- Termination of single or double row IDC connectors with family seal in one operation
- Assembly aid by means of masks which leave only one connector cavity accessible
- Insertion control for connectors and family seal
- Display for operator guiding
- Data transfer via PC possible

Technical features

- Power supply: 230 V AC, 50 Hz
- Weight: approx. 80 kg
- Noise level: <70 dB (A)
- Drive: stepping motors
- Dimensions: Length = 460 mm
Width = 400 mm
Height = 480 mm
- Control: cavity termination sequence is freely programmable
- Start signal: by sensor
- Cycle time: approx. 600 ms
- Machine output: approx. 500 - 600 terminations per hour can be achieved, depending on the operator and the environment
- Further technical details available on request

AMP products which can be processed

- Tandem Spring connectors, single or double row, for wire cross-sections of 0.35 mm² and insulation diameter of 1.3 mm



The development of this new termination machine was necessary to be able to process high cavity-count female connectors in IDC technology.

The new multi-cavity motor-control interface connectors are used in damp areas in cars and must be completely water-proof. Hence the use of a family seal over the insulation displacement contacts.

The pitch of the cavities in the family seal corresponds to that of the connectors with their insulation displacement contacts. The cavities in the family seal are closed by a 0.4 mm thick membrane. When the leads are passed through the cavity in the seal, the membrane is pierced and the wire reaches the termination position above the connector by means of dedicated wire guides.

When the lead touches the sensor, the termination stroke is initiated and the lead is inserted into the insulation displacement contact.

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