



IDC Bench Top Machine for AMP DUOPLUG 2.5 Connectors

Basic Configuration

- Manual terminal feed from tray
- Key cutting
- Wire termination
- Cover closing
- Outfeed
- Touch screen

Available Options

- Automatic connector delivery from tray
- Wire insertion length check
- Keying ribs check

Compatible TE Products

AMP DUOPLUG 2.5 IDC connectors

Technical Data

Electric Connection

230 V, 50 Hz

Pneumatic Connection

600 kPa (6 bar)

Cycle Time

Approx. 2 sec. per wire,
dependent on operator skill

Dimensions DxWxH [mm]

Approx. 1450 x 650 x 700

Weight

Approx. 100 kg

Features

- Termination of single wires to AMP DUOPLUG 2.5 IDC connectors
- The connectors are loaded either semi-automatically or automatically from the tray. The image shows a machine version with automatic feed.
- Testing stations are available optionally. They help to ensure termination quality according to the respective specification.

IDC Bench Top Machine for AMP DUOPLUG 2.5 Connectors

TE Connectivity offers the IDC semi-automatic bench machine that applies AMP DUOPLUG 2.5 connectors (application specification 114-18049) which are widely used within the household appliance industry.

The connectors are delivered on trays. Depending on the machine version the tray feeding can either be manually or automatically. Both the machine versions with manual or automatic tray feed can be equipped with keying rib test and/or wire insertion length test as an option.

The function of the testing stations are shown below.

The testing stations help to detect bad terminated connections and/or bad keyed connectors.

In case of a bad detected connector/connection the IDC bench top machine gives the operator a clear text message and instead of closing the cover, the machine waits for the operator to remove the unclosed connector by hand.

The operator may have to remove a complete sequence even if only one bad connector/connection has been detected.

Keying Ribs Test

After the keying ribs are cut the housing must be burr-free according to the tolerances shown in the figure opposite.

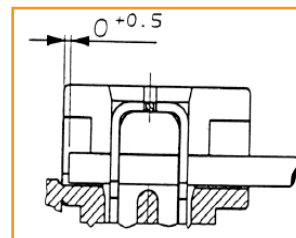
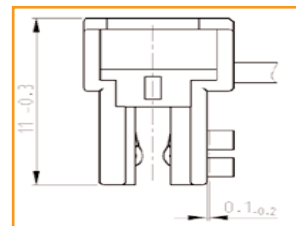
If during the cutting process the housing breaks slightly, this has no effect on the function and is permitted.

Do not cut all keying ribs! At least one keying rib has to remain although its position is not important.

Wire Insertion Length Test

The wire must be inserted into the housing to the cavity end or max. 0.5 mm away from the cavity end as shown in the figure opposite.

The wire should never pass the cavity end.



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