

For special AMP MAG-MATE Appliances

Features

- 1 to 4 contacts can be applied per machine cycle
- Can be used as bench machine or can be easily integrated into production lines using simple hand-shake signals
- Fine adjustment mechanism for insertion depth
- Microprocessor controlled operation
- Operating conditions such as the batch count, total count, error messages, and ready state will be displayed
- The display helps the operator to step through the machine sequence or manually cycle the machine for set up or easy diagnosis of problems
- Slot width detection, optional

Compatible Tyco Electronics Products

- MiniMAG-MATE contacts for magnet wire with Ø 0.09 - 0.25 mm
- StandardMAG-MATE contacts for magnet wire with Ø 0.18 - 1.15 mm



Technical Data

- Drive pneumatically with PLC
- Pneumatic air supply 600 kPa
- Electric power supply 230 V / 50 Hz
- Cycle time 0.9 - 1.3 sec, depending on contact type
- Mass Approx. 20 kg
- Dimensions machine WxHxD=220x200x600 mm
- Space requirements 800 x 1000 mm, including reel holder

This insertion machine provides a gastight, electrically correct connection between magnet wires and contacts using the insulation displacement technique without the prior removal of the lacquer.

The machine is designed to apply multiple different contacts and will be customized according to the customer or product specific requirement.

A maximum of four contacts can be applied per machine cycle. This also gives the opportunity to use the contacts as single contacts or in strip form (bridge function adjusted "on-the-fly").

The termination process comprises of the following steps:

1. Contacts are fed from the reel
2. Contacts are separated from the carrier strip.
3. Contacts are inserted into positioned plastic cavities, which produce a stable electrical termination.
4. Excess magnet wire is trimmed.