SIM 50C COMPACT SEMI-AUTOMATIC IDC MACHINE FOR RAST CONNECTORS

FEATURES

- Compact stand-alone machine for single wire IDC termination
- Cost-effective base machine for market entrance into RAST business with medium labor utilization
- User-friendly human machine interface
- Wire insertion length checking unit
- Enables processing of complicated harness layouts

The SIM50C is a compact semi-automatic machine for processing AMP multifitting Mark II connectors.

Designed for small to medium volumes, the SIM 50C is fully equipped for spec-compliant processing of AMP multifitting Mark II connectors with highly flexible harness layouts.

Production process—operator loads the chained connectors with up to two different connectors into the loading rail. The machine pulls in and separates the foremost connectors, cuts the latches and positions the connectors for termination.

The operator inserts the precut wires into the insertion slot and the machine terminates the contact by pressing the wire into the IDC slot.

After each completed connector the machine checks the wire insertion length, cuts the covers from the connectors and places them into the housings.

The machine also cuts the coding-ribs according to the preselected setting defined by the intuitive touchscreen interface.

Once completed the fully terminated connector is pushed out of the machine onto the out-feed, where it can be removed by the operator.

TECHNICAL DATA

- Electrical Connection
  - 220-240 V, 50 Hz
  - 110-120 V, 60 Hz
- Pneumatic Connection
  - 600 kPa (6 bar)
- Dimensions DxWxH [mm]
  - 1640 x 1250 x 790
- Weight
  - Approx. 130 kg
- Cycle Time
  - Approx. 2 s/wire, dependent on:
    - operator skill
    - number of keying to be cut
    - quantity of poles in one sequence

BASIC CONFIGURATION

- Connector feeding-sheet for up to 2 chained connector-chains
- Connector separating unit
- Latch cutting unit
- Wire termination unit
- Wire insertion length checking unit
- Cover closing unit
- Key cutting unit
- Outfeed
- 4-inch color touch screen for harness data input
- Software with multiple language selection
- LED-signal-lamp
- Safety device fulfilling CE regulation
- Connector-dummies
- Removal-tool

AVAILABLE OPTIONS

- Optional spare parts kit to enable quick self-service

APPLICABLE TE CONNECTORS

- AMP multifitting Mark II
  Application Specification:
  - Tab Exterior locking (1-9) 114-18289-1
  - Tab Interior locking (1-7) 114-18382-1
  - Tab Exterior locking (2-4) 114-18289-1
  - Tab Interior locking (2-3) 114-18382-1
  - Tab Exterior locking silver (1-4) 114-18289-1
  - PCB (2-8) 114-18289-1

TE TECHNICAL SUPPORT CENTER

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