



SIM 25C 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
- Optional conversion kit to process both AMP DUOPLUG 2.5 Mark II and AMP DUOPLUG power connectors on the same machine
- Wire insertion length checking unit
- Enables processing of complicated harness layouts

The SIM25C is a compact machine for AMP DUOPLUG 2.5 Mark II and/or AMP DUOPLUG Power connectors. Designed for small to medium volumes, the SIM 25C is equipped with all necessary functions for spec-compliant processing of AMP DUOPLUG 2.5 Mark II and/or AMP DUOPLUG Power connectors.

While the standard SIM 25C machine is ready to process AMP DUOPLUG Power connectors, a conversion kit is available for changing the production over to AMP DUOPLUG 2.5 Mark II. The changeover is a simple process of replacing the connector specific parts and can be done within a few minutes by trained personnel.

PRODUCTION PROCESS

The 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.

Appliances

SIM 25C Compact Semi-Automatic IDC-Machine for RAST Connectors

TECHNICAL DATA

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

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

AVAILABLE OPTIONS

- Conversion kit for processing AMP DUOPLUG Power connectors
- Optional spare parts kit to enable quick self-service

APPLICABLE TE CONNECTORS

- AMP DUOPLUG 2.5 Mark II
 - Application Specification:
 - Standard version (2-20) 114-18467-1
 - PCB Locking (3-6) 114-18467-1
- AMP DUOPLUG Power
 - Application Specification:
 - Standard version (2-10) 114-18458-1
 - PCB Locking (2-9) 114-18996

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