



FHM-IDC Flexible Harness Maker

Features

- Modular designed fully-automatic machine for wire harnesses production with RAST 2.5 and/or RAST 5 connectors especially used with household appliances
- Ultimate flexibility for chaotic wire harnesses with crossovers, bridges and double wire terminations
- Minimal set-up and changeover times
- Best overall cost-performance ratio
- Designed for small quantity batch sizes with high product mix
- Interchangeable product specific workstations
- High production reliability assured via diverse testing procedures
- Easy operating interface for intuitive controlling via touch screen
- Fully-automatic adjustment of all wire feeding parameters
- The PC control allows for harness programming, configuration, and machine optimisation

Compatible TE IDC Connectors

- AMP DUOPLUG 2.5
- AMP DUOPLUG 2.5 Mark II
- AMP DUOPLUG Power
- AMP MONO-SHAPE
- AMP MONO-SHAPE Mark II
- AMP multifitting Mark II

Applicable Modular Workstations to IDC Connectors

- SIM 25 E for AMP DUOPLUG 2.5 Mark II and AMP DUOPLUG Power
- SIM 26 E for AMP DUOPLUG 2.5
- SIM 50 E for AMP multifitting Mark II
- SIM 51 E for AMP MONO-SHAPE Mark II
- SIM 52 E for AMP MONO-SHAPE

FHM-IDC

Flexible Harness Maker

Technical Data

Electric power supply
3 x 400 V AC, 20 A

Compressed air supply
600 kPa

Cycle time for jumper
1.6 s per wire up to 1000 mm
length depending on harness
configurations (with 2 IDC
workstations)

Cycle time for loops
2.5 s per wire
(with 1 IDC workstation)

Weight base machine
Approx. 500 kg

Weight IDC workstation
Approx. 250 kg each

Noise pressure level
< 80 dB(A)

Dimensions approx. [mm]
WxHxD=2700x1950x2900
with 2 workstations;
without cable storage

Required space
Min. 7.0 m² without barrels

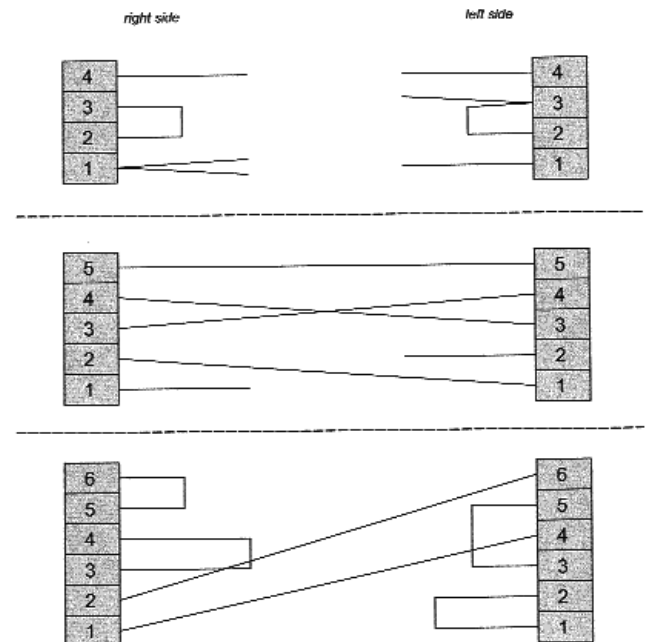
Wire length
150 mm to 3000 mm
(60 mm with only one wire end
terminated)

Wire size range
0.22 - 1.5 mm

The FHM-IDC consists of

- FHM-IDC base machine with operating interface via touch screen
- Universal wire selector up to 12 positions, prepared for 6 wires
- Servo controlled transport gripper system
- Possibility to run with one or two SIM (semi-automatic) modular IDC workstations

Wire Harness Configuration Examples



FHM-IDC Flexible Harness Maker

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