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THERMO CRIMPING MACHINE mod. ESS-R



General Features

The ESS-R Thermo Crimping Machine has been developed to connect enamelled wires and cables normally used in the electromechanical industry combining the using simplicity to the high speed connecting process. On this model all electronic and mechanical parts are based on concepts of simplicity so to suggest this model where there are connection process extremely repetitive and similar among them.

The ESS-R can uses different Tools diameter to create the right crimp, their range are from Ø5 to Ø8mm. As connection support to create the crimp, the ESS-R uses a copper plate covered by tin or silver, produced in different sections: 0,5x4mm, 0,5x5mm, 0,8x6mm.

The connection process of ESS-R starts with a clip construction which is positioned between the electrodes. Once the wires and cables have been introduced they are pressed and welded. Welding process removes the enamel from the wires and compacts them with a cable into a single body giving high mechanical and electrical features and a constant quality connection. At the end of the welding process a knife to cut the excess part of wires and cables can be activated.

The ESS-R functions are controlled by display panel with pushbuttons and scroll arrows where set up all useful parameters concerning the connection. The software is able to manage 100 different program and 400 different cycles.

ESS-R is able to cover connection up to 8mm².

Optional and Accessory

Fume Extraction with or without Active Carbon Filter; Lifting System Platform; 2nd Set Crimping Tools; Adjustable Table; Led Light; etc.

Technical Features

Voltage: 400 V (±5%) 50-60Hz • Max Power (duty factor): 2,3KVA (100%) 5,5KVA (50%) • Working Pressure: 6bar/0,6MP • Air Consumption: 45L/min • Air Capacity Request: 950L/min • Welding Temperature: 600°C • Program Set: 80 with trimming blade+20 without trimming blade • Cycle Set: 400 • Cycle/min: 20 • Crimp Time Forming: 3" (average time) • Copper Strip Dimensions: 0,5x4mm, 0,5x5mm, 0,8x6mm • Crimp Ø Range (External): 5mm or 8mm • Welding Time : Depends on kind of connection • Range of Connections: Total Section up to 9,5mm² • Maximum Sonor Level: LwA 79 DBA • Arms Closing System: Air System max 210 Kg • Temp. Range Working: +10°C ÷ +40°C • Humidity Range Working: 0% ÷ 85% without condensation

Ess-R Dimensions : (WxDxH) mm. 780x850x1280
Ess-R Weight : 210Kg



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