

Personal Wiring Assistant, PWA6000



Wire Processing Center optimizes the production of wires reducing the processing time up to 75%. The PWA6000 fully automates the cutting to length, stripping, crimping, marking and bundling of the wires boosting productivity and ensuring consistent and precise quality. The machine has an internal, automated wire feeding with 12 spools for different wires (4 external and 8 internal) that reduces the switching time. An external accessory is available for storage of additional wires that can feed the machine without using the internal spools reducing the switching times. The machine places the ferrules on both sides and marks the wires. The finished wires are bundled on adhesive tapes, in a predefined order, to optimize order picking. The fully automated process of prefabrication wires optimizes the panel wiring process and thereby reduces costs.

FEATURES

Human Machine Interface with modern operating solution with 21.5-inch touchscreen,

The machine has automated wire feeding with 12 different wires

An external accessory is available for storage of additional wires that can feed the machine reducing the switching times

Electropneumatic stripper and crimping with 5-way magazine for processing insulated wire end ferrules on a reel

Crimping length can be adjusted either to 8 mm or alternatively 10 mm

The finished wires can include ferrules on both ends without manual intervention

Wire marking system with direct printing on the wire to mark the source and target identification on each end of the wire, while the wires are marked with blue ink so it is suitable for almost all wire colours and avoids the use of two printers

Processable wires with a cross-section from 0,5 mm² up to 2,5 mm² (AWG 20-14) can be processed without set-up times

Speed of 120 wires/hour including both wire ends

Machine software includes Personal Wiring Suit as an intuitive programming system for the PWA6000 to produce the wires

An external accessory is available for storage of finished wires and transport to the panel shop

This accessory has a screen to visualize the panel wiring by providing the source and target plus the routing in the panel

Interfaces with eCAD software (IGE XAO, ePlan ProPanel, ZUKEN E3, WS-CAD or similar), or CSV Excel file

Rated voltage 110-240V 1~ 50/60 Hz

Rated current: 16 Amps

Compressed air: 6-8 bar, suction capacity 300 l/min

Machine footprint is 41.34 (1050mm) wide by 45.28 (1150mm) deep

Ferrules are optional, wires can also proceed without ferrules

Machine can cut isolation for easy removal of wire isolation

Wires can be feed from different cable batch containers

SPECIFICATIONS

Table 1/1		
Catalog Number	Wire Size	Quick Ship
PWA6000	#20 - #14	No

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.



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