

Rittal – The System.

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AS 4051.190

**Wire Terminal WT L fully automated
wire processing machine**

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IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



AS 4051.190 - Wire Terminal WT L fully automated wire processing machine

The Wire Terminal WT L5 R fully automated wire processing machine can process wire cross-sections ranging from 0.5–2.5 mm². This includes length-cutting, insulation-stripping, crimping and project-specific labelling of the wires. The finished, processed wires are guided to the appropriate wire rails in the correct sequence on an order-specific basis. Alternatively, the wire output is also available as an ejection system.



Features

Model No.	AS 4051.190
Version	Wire Terminal WT L5 R (wire rail system)

Features

Benefits

Complete networking provided by the E-CAD tool until the manufacturing process

Continuous top quality

Using the Smart Wiring tool, the cabled wires from the classification system can be passed on by the Eplan to the next step in the control cabinet wiring process

Comprehensive process optimization

Easy and quick replacement of consumables

Use of a new technology crimper for different wire end ferrule lengths 8 - 18 mm, including infinitely variable partial and full stripping

Safe wire feeding via innovative wire guide system including quick-closing mechanism

Easy operation thanks to large 24" touch display

Enables flexible and rapid response to project change

Error minimization in downstream processes

Amortisation period of 2.5 years from a minimum of 150 enclosures per annum

Make your wire assembly production process 11 times faster

Up to 50% time savings are achievable with a combination of the Rittal Wire Terminal and Eplan smart wiring

Optimal and order-related labeling of wires

Technical specifications

5 wire end ferrule feeds via feeder pots

Crimping range 0.5 mm²: Crimping lengths 8 mm (0.31 in.) and 10 mm (0.39 in.)

Crimping range 0.75 mm²: Crimping lengths 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.)

Crimping range 1 mm²: Crimping lengths 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.)

Crimping range 1.5 mm²: Crimping lengths 8 mm (0.31 in.), 10 mm (0.39 in.), 12 mm (0.47 in.) and 18 mm (0.71 in.)

Crimping range 2.5 mm²: Crimping lengths 10 mm (0.39 in.), 12 mm (0.47 in.) and 18 mm (0.71 in.)

The Wire Terminal WT L can process wire lengths from 150 mm to 10 m

The WT L Wire Terminal can accommodate one wire infeed block.

Wire output in wire rail magazines

Maximum of 5 wire rails for wire output

Features

Supply includes	Machine base and housing Control unit 1 x vibrofeeder pot WT 16 for 0.5 mm ² 2 x vibrofeeder pot WT 20 for 0.75/1.0 mm ² 2 x vibrofeeder pot WT 29 for 1.5/2.5 mm ²
Workable material	Wire end ferrules with plastic collar
Note	<p>For your individual machine specifications, please consult your Rittal advisor.</p> <p>German and English are included as standard with the Wire Terminal</p> <p>The oscillating conveyor pots and the separation of the ferrules are designed for the tolerance dimensions of the Rittal wire end ferrules according to DIN 46228-4:2019-02. If the wire end ferrules to be processed deviate from the tolerance dimensions defined therein, it may be necessary, on the one hand, to design/test new vibrofeeder pots and, on the other hand, to adjust the separation of the wire end ferrules.</p> <p>We reserve the right to make technical modifications</p>
Machine options	Wire storage unit WT Tube 12 (4051.218) WT printer IQ.JET, black 4051281 WT printer IQ.JET, white 4051280
Interfaces	Eplan Pro Panel Eplan Smart Wiring
Compressed air supply min.	5.5 bar
Compressed air supply max.	6 bar
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Control voltage (DC)	24 V
Power consumption (approx.)	1 kW
Cycle time	11 s
Wires per hour approx.	320
Support area	Width: 2,170 mm Height: 1,870 mm Depth: 1,080 mm Width: 85.4 " Depth: 42.5 "

Features

Customs tariff number	84633000
ETIM 8	EC000000
ECLASS 8.0	18129090
Product description	AS Wire Terminal WT L5 R fully automated wire processing machine (wire rail system)
