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## AS 4051.192

# Wire Terminal WT L fully automated wire processing machine

State: 2026-05-15 (Source: [rittal.com/ca-en](http://rittal.com/ca-en))

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POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



# AS 4051.192 - Wire Terminal WT L fully automated wire processing machine

The Wire Terminal WT L5 T fully automated wire processing machine can process wire cross-sections ranging from 0.5–2.5 mm<sup>2</sup>. This includes length-cutting, insulation-stripping, crimping and project-specific labelling of the wires. The pre-assembled wires are made available by the Wire Handling System (WHS). The WHS is a fully automated wire distribution system. Wires that have been manufactured just-in-time in the Wire Terminal WT are delivered sequentially to a maximum of four wiring workstations using compressed air.



## Features

Model No.	AS 4051.192
Version	Wire Terminal WT L5 T (Wire Handling System)
Benefits	Wire fastening according to just-in-time and just-in-sequence principles Save time and resources with automated wire infeed Step-by-step operation instructions with Eplan Smart Production Direct addressing helps to minimize errors in workstation commissioning

# Features

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Technical specifications	<p>5 wire end ferrule feeds via feeder pots</p> <p>Crimping range 0.5 mm<sup>2</sup>: Crimping lengths 8 mm (0.31 in.) and 10 mm (0.39 in.)</p> <p>Crimping range 0.75 mm<sup>2</sup>: Crimping lengths 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.)</p> <p>Crimping range 1 mm<sup>2</sup>: Crimping lengths 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.)</p> <p>Crimping range 1.5 mm<sup>2</sup>: Crimping lengths 8 mm (0.31 in.), 10 mm (0.39 in.), 12 mm (0.47 in.) and 18 mm (0.71 in.)</p> <p>Crimping range 2.5 mm<sup>2</sup>: Crimping lengths 10 mm (0.39 in.), 12 mm (0.47 in.) and 18 mm (0.71 in.)</p> <p>Wire output via the integral Wire Handling System</p> <p>The Wire Terminal WT L can process wire lengths from 150 mm to 10 m</p> <p>The WT L Wire Terminal can accommodate one wire infeed block.</p>
Supply includes	<p>Machine base and housing</p> <p>Control unit</p> <p>1 x vibrofeeder pot WT 16 for 0.5 mm<sup>2</sup></p> <p>2 x vibrofeeder pot WT 20 for 0.75/1.0 mm<sup>2</sup></p> <p>2 x vibrofeeder pot WT 29 for 1.5/2.5 mm<sup>2</sup></p> <p>Wire distribution system for the wire handling system</p>
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	<p>Wire storage unit WT Tube 12 (4051.218)</p> <p>WT printer IQ.JET, black 4051281</p> <p>WT printer IQ.JET, white 4051280</p>
Interfaces	<p>Eplan Pro Panel</p> <p>Eplan Smart Wiring</p>

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# Features

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
Customs tariff number	84633000
ETIM 8	EC000000
ECLASS 8.0	18129090
Product description	Wire Terminal WT L5 T fully automated wire processing machine (wire feeder unit for the Wire Handling System)