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## AS 4051.192

# Wire Terminal WT L fully automated wire processing machine

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CLIMATE CONTROL

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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
Design	Wire Terminal WT L5 T (Wire Handling System)
Product description	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.
Benefits	Wire manufacturing based on the just-in-time and just-in-sequence principles Save time and resources with automated wire infeed Step-by-step operative instructions with Eplan Smart Production Direct addressing helps to minimise errors in workstation commissioning

# Features

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Technical specifications	<p>5 wire end ferrule infeeds via feeder bowls</p> <p>Crimping range 0.5 mm<sup>2</sup>: Crimping length 8 mm (0.31 in.) and 10 mm (0.39 in.)</p> <p>Crimping range 0.75 mm<sup>2</sup>: Crimping length 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 length 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 length 8 mm (0.31 in.), 10 mm (0.39 in.), 12 mm (0.47 in.) und 18 mm (0.71 in.)</p> <p>Crimping range 2.5 mm<sup>2</sup>: Crimping length 8 mm (0.31 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 frame and encapsulation</p> <p>Operating unit</p> <p>1 x WT 16 vibratory bowl feeder for 0.5 mm<sup>2</sup></p> <p>2 x WT 20 vibratory bowl feeders for 0.75/1.0 mm<sup>2</sup></p> <p>2 x WT 29 vibratory bowl feeders for 1.5/2.5 mm<sup>2</sup></p> <p>Wire distribution system for the wire handling system</p>
Machinable material	<p>Fine-wire copper cables to EN 60228 / VDE 0295 Category 5</p> <p>Wire end ferrules with plastic collar to DIN 46228-4 and Multinorm</p>
Note	<p>Please talk to your Rittal sales consultant about a bespoke machine configuration.</p> <p>German and English are included as standard with the Wire Terminal</p> <p>The vibratory bowl feeders and the separation of single wire end ferrules are designed for the dimensional tolerances of Rittal wire end ferrules to DIN 46228-4:2019-02. If the wire end ferrules used exceed the defined dimension tolerances, it may be necessary to design/test a new bowl feeder and to adapt the wire end ferrule separation.</p> <p>We reserve the right to make technical modifications</p>
Machine options	<p>Wire store 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)