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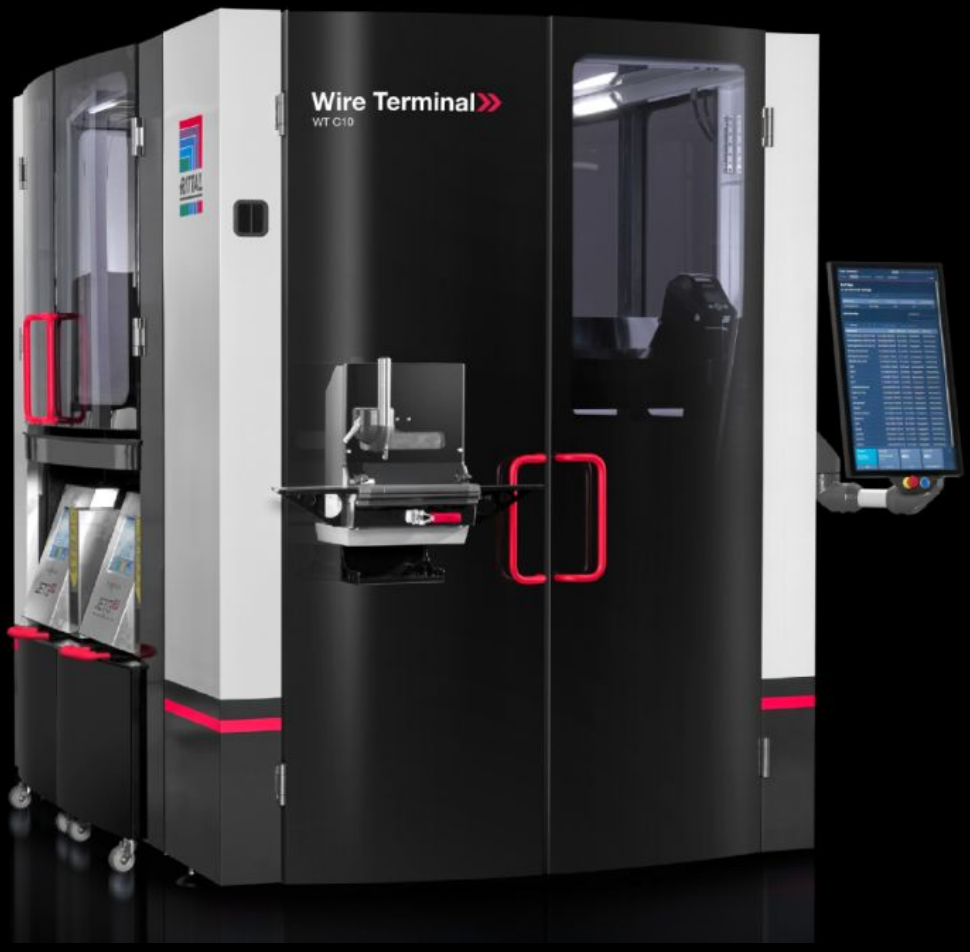


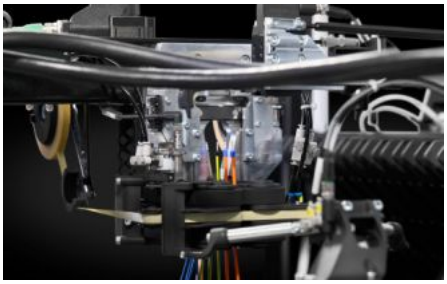
AS 4051.205

Wire Terminal WT C5 fully automated wire processing machine

State: 10/06/2026 (Source: rittal.com/ro-ro)

AS 4051.205 - Wire Terminal WT C5 fully automated wire processing machine

The Wire Terminal WT C5 fully automated wire processing machine produces up to 36 different wires fully automatically, with zero manual intervention. Wire ends with cross-sections ranging from 0.5 mm² to 2.5 mm² may be processed fully automatically without retooling. This includes length-cutting, insulation-stripping, crimping and project-specific labelling of the wires.



Features

Model No.	AS 4051.205
Design	For fully automatic processing of wire lists for wire assembly Suitable wire stores are selected depending on the number of wires
Product description	The Wire Terminal WT C5 fully automated wire processing machine produces up to 36 different wires fully automatically, with zero manual intervention. Wire ends with cross-sections ranging from 0.5 mm² to 2.5 mm² may be processed fully automatically without retooling. This includes length-cutting, insulation-stripping, crimping and project-specific labelling of the wires.

Features

Benefits	Fully interlinked, from the E-CAD tool through to the production processes Continuous top quality Investment amortisation period of 2.5 years from a minimum of 300 enclosures per annum Assembled wires from the wire rail system, chain bundle or wire handling system may be processed in the downstream enclosure wiring process using the “Smart Wiring” tool from Eplan Comprehensive process optimisation Efficient job management via the RiPanel Processing Center is supported Simple, fast changeover of consumable materials Automatic labelling of the wires in black, white or light blue Uses a new-technology crimper for various wire end ferrule lengths from 8-18 mm, including infinitely variable partial and full stripping. Secure wire infeed via a new type of wire routing system including quick-lock mechanism Wire output optionally as delivery, optional rail system or optional chain bundle Make your wire assembly production process 15 times faster Simple operation with large 24" touch display Allows you to respond quickly and flexibly to project changes Error minimisation even in downstream processes

Features

Technical specifications	Wire stripping range: Partial stripping 6 - 20 mm (0.24 - 0.79 in.), infinitely variable and full stripping 2 - 20 mm (0.8 - 0.79 inc.), infinitely variable Crimping range 0.5 mm²: Crimping length 8 mm (0.31 in.) and 10 mm (0.39 in.) Crimping range 0.75 mm²: Crimping length 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.) Crimping range 1 mm²: Crimping length 8 mm (0.31 in.), 10 mm (0.39 in.) and 12 mm (0.47 in.) Crimping range 1.5 mm²: Crimping length 8 mm (0.31 in.), 10 mm (0.39 in.), 12 mm (0.47 in.) und 18 mm (0.71 in.) Crimping range 2.5 mm²: Crimping length 8 mm (0.31 in.), 12 mm (0.47 in.) and 18 mm (0.71 in.) Wires are fed in via separate wire infeed magazines Covering 12 wire types per block The Wire Terminal can accommodate a total of three wire infeed blocks for max. 36 wires 5 wire end ferrule infeeds via feeder bowls The Wire Terminal WT C can process wire lengths from 150 mm to 10 m
Supply includes	Machine frame and encapsulation Operating unit Locator for wire labelling unit Label printer for wire rail magazine identification 1 x WT 16 vibratory bowl feeder for 0.5 mm² 2 x WT 20 vibratory bowl feeders for 0.75/1.0 mm² 2 x WT 29 vibratory bowl feeders for 1.5/2.5 mm²
Machinable material	Fine-wire copper cables to EN 60228 / VDE 0295 Category 5 Wire end ferrules with plastic collar to DIN 46228-4 and Multinorm
Note	Please talk to your Rittal sales consultant about a bespoke machine configuration. German and English are included as standard with the Wire Terminal 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. We reserve the right to make technical modifications

Features

Machine options	Wire store WT Tube 12 (4051.218) WT wire store XL, central unit, 4051.037 WT wire store XL, additional module, 4051.038 Wire rail system WT 15 (4051.214) Wire feed block WT 12 (4051.213) Chain bundle module WT (4051.215) WT printer IQ.JET, black, export 4051244 WT printer IQ.JET, white, export 4051243
Interfaces	Eplan Pro Panel Eplan Smart Wiring
Safety	The machine interior is fully encapsulated. The machine zone allows access from 4 sides, monitored via contactless safety limit switches on the bifold doors.
Dimensions	Width: 1,960 mm Height: 2,255 mm Depth: 2,255 mm
Compressed air supply min.	5 bar
Compressed air supply max.	7 bar
Rated operating voltage	230 V, 1~, 50 Hz/60 Hz
Control voltage (DC)	24 V
Power consumption (approx.)	1 kW
Wires per hour approx.	285
Weight per wire store, unloaded	130 kg
Support area including 3 wire magazine	Width: 3,660 mm Height: 2,250 mm Depth: 5,159 mm
Packs of	1 pc(s).
Net weight	1.390 kg
Gross weight	1.740 kg
Customs tariff number	84633000
ETIM 8	EC000000
ECLASS 8.0	18129090