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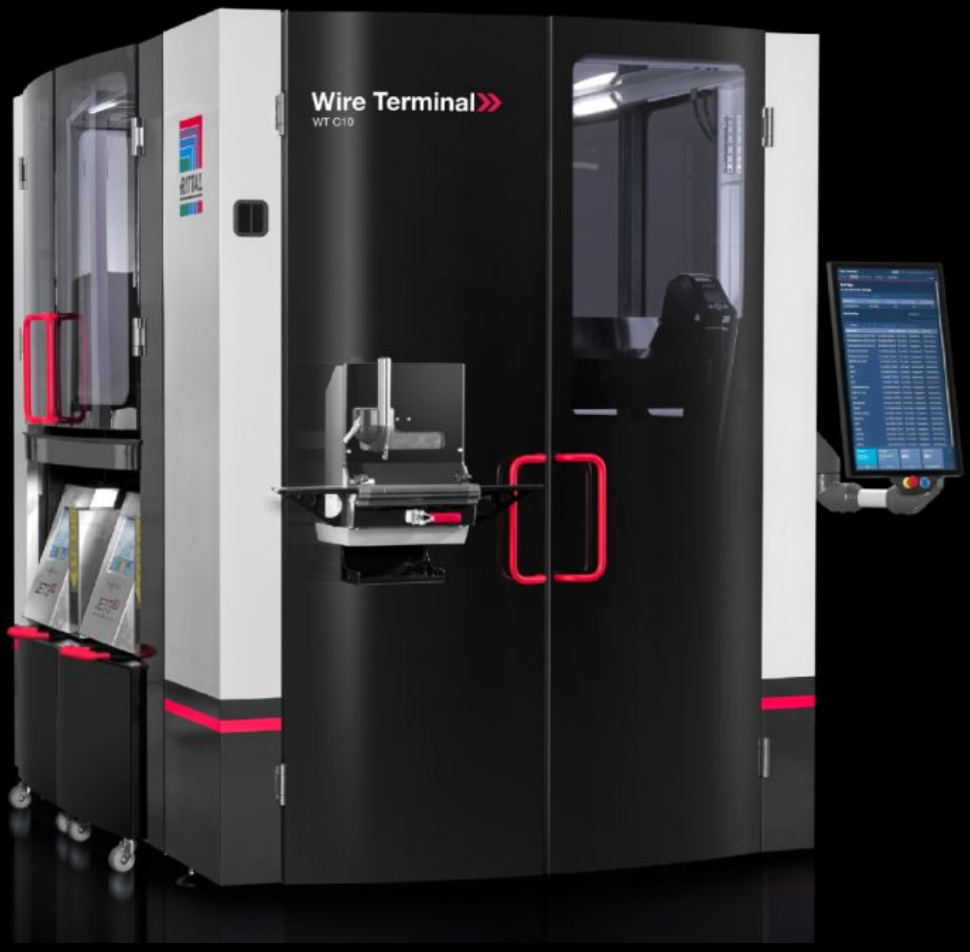


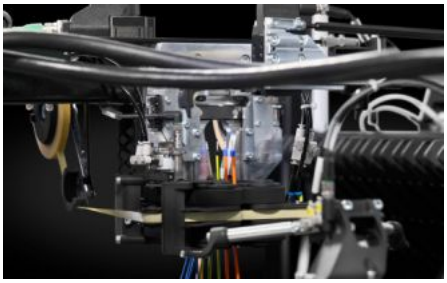
AS 4051.205

Fully automated wire cabling machine Wire Terminal WT C5

State: 11/27/2026 (Source: www.rittal.com/us-en)

AS 4051.205 - Fully automated wire cabling machine Wire Terminal WT C5

The fully automated wire cabling machine Wire Terminal WT C5 can produce up to 36 different wires fully automatically without manual intervention. The wire end treatment in the cross-section range from 0.5 mm² to 2.5 mm² is fully automated without any changeover. This includes the processes of cutting to length, stripping, crimping as well as project-related labeling of the wires.







Features

Model No.	AS 4051.205
Version	For automatic processing of wire lists for wire assembly The suitable wire storage unit must be selected, depending on the number of wires
Product description	The Wire Terminal WT C5 fully automated cabling machines produce up to 36 different wires fully automatically, with zero manual intervention. The wire end treatment in the cross-section range from 0.5 mm² to 2.5 mm² is fully automated without any changeover. This includes the processes of cutting to length, stripping, crimping as well as project-related labeling of the wires.

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Features

Benefits	Complete networking provided by the E-CAD tool until the manufacturing process Continuous top quality Depreciation period of 2.5 years, starting at 300 cabinets per year 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 optimization Efficient job management possible via RiPanel Processing Center Easy and quick replacement of consumables Automated labeling of the wires in black, white or light blue 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 Wire output optionally available as drop, optional rail system or optional chain bundle The wire cabling process will operate 15 times faster Easy operation thanks to large 24" touch display Enables flexible and rapid response to project change Error minimization in downstream processes

Features

Technical specifications	Stripping range: partial stripping 6 - 20 mm (0.24 - 0.79 in.) infinitely variable as well as full stripping 2 - 20 mm (0.08 - 0.79 in.), infinitely variable 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 retraction takes place via separate wire retraction blocks 12 wire types can be captured per feed block The Wire Terminal can accommodate a total of three wire feed blocks for a maximum of 36 wires 5 wire end ferrule feeds via feeder pots Wire lengths from 150 mm to 10 m can be processed with the Wire Terminal WT C
Supply includes	Machine base and housing Control unit Mounting for wire marking unit Label printer for labeling of the wire rail magazine 1 x vibrofeeder pot WT 16 for 0.5 mm² 2 x vibrofeeder pot WT 20 for 0.75/1.0 mm² 2 x vibrofeeder pot WT 29 for 1.5/2.5 mm²
Workable material	Fine-wire copper cables to EN 60228 / VDE 0295 Category 5 Wire end ferrules with plastic collar to DIN 46228-4 and Multinorm

Features

Note	For your individual machine specifications, please consult your Rittal advisor. German and English are included as standard with the Wire Terminal 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. We reserve the right to make technical modifications
Machine options	Wire storage unit WT Tube 12 (4051.218) WT wire storage XL, central unit 4051.037 WT wire storage 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
Security	The internal areas of the machine are fully enclosed. The machine area has 4-sided access that is monitored via the contactless safety end-switch for the double-leaf doors.
Dimensions	Width: 1,960 mm Height: 2,255 mm Depth: 2,255 mm Width: 77.2 ″ Height: 88.8 ″ Depth: 88.8 ″
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

Features

Wires per hour approx.	450
Weight per unloaded wire storage unit	130 kg
Support area including 3 wire magazine	Width: 3,660 mm Height: 2,250 mm Depth: 5,159 mm
Packaging unit	1 pc(s).
Net weight	1,390 kg
Gross weight	1,740 kg
CRA risk class	Default (Low Risk)
Customs tariff number	84633000
ETIM 8	EC000000
ECLASS 8.0	18129090