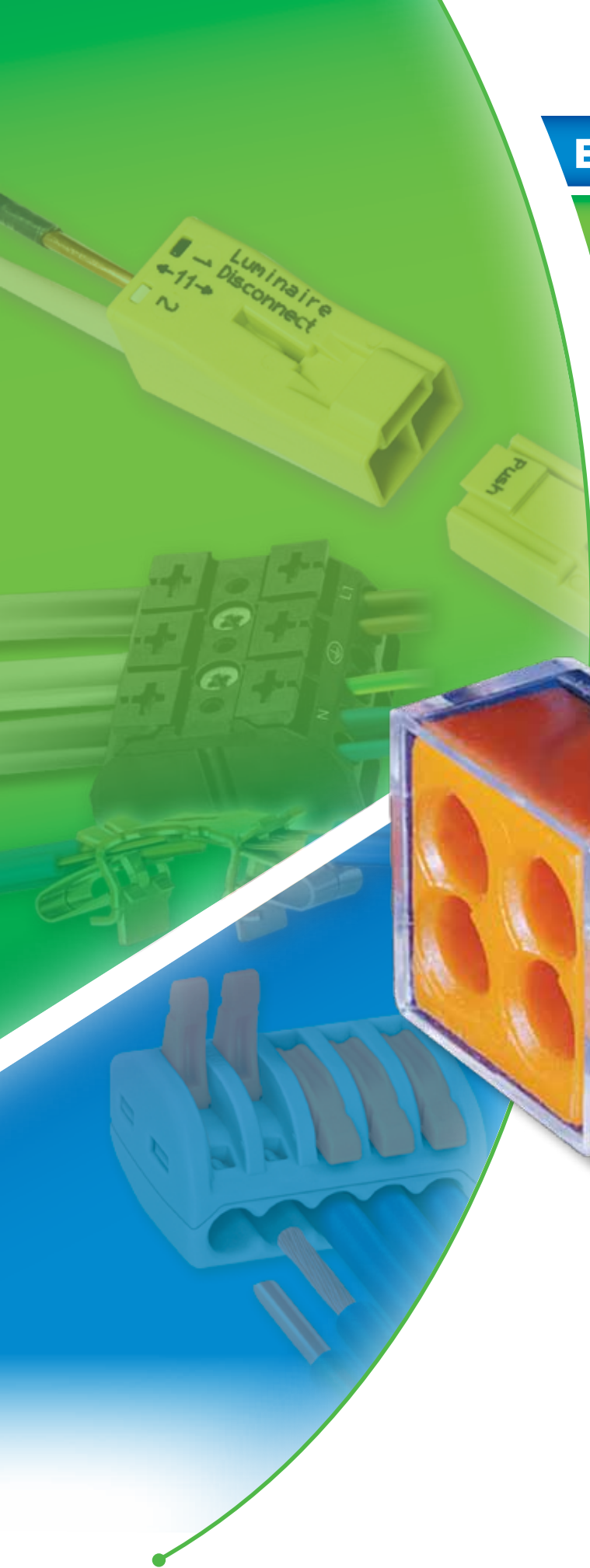


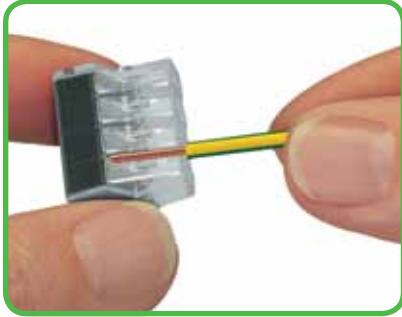
Electrical Installation Products

Series 773, 873, 222, 224, 243 and 862



WAGO[®]
INNOVATIVE CONNECTIONS

PUSHWIRE® Connectors for Junction Boxes, (solid and stranded wire), 773 Series WALL-NUTS®



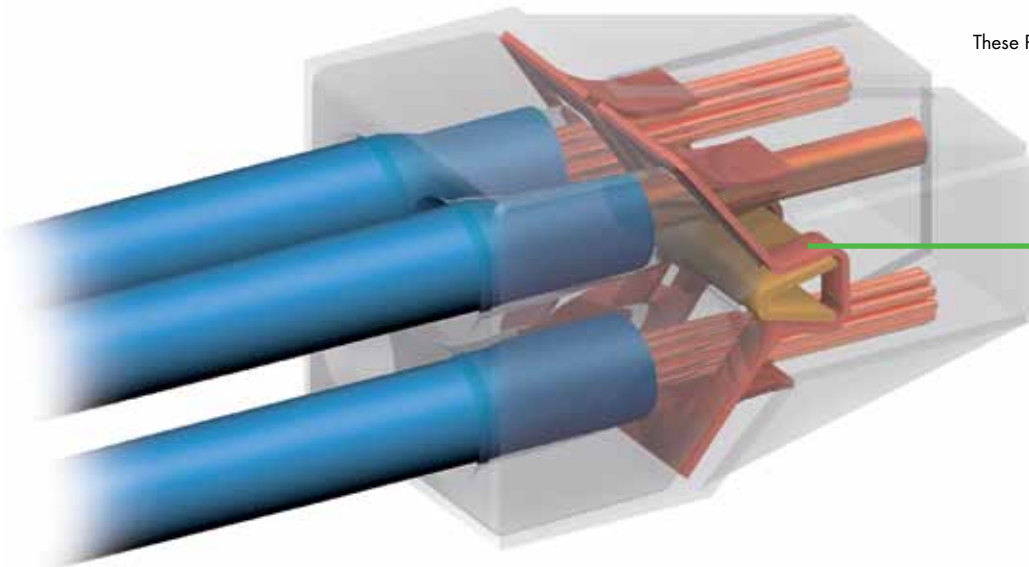
Simply strip conductor to 12 mm/0.47 in. using the built-in strip-length gauge



Then insert stripped conductor firmly into connector. Check for complete insertion through clear/transparent housing.



Wire Removal
Solid - Pull & Twist; Remove wire
Stranded - Cut Wire; Discard connector
Restrip conductor and insert into new connector



These PUSHWIRE® connectors clamp the following copper conductors:



solid












stranded

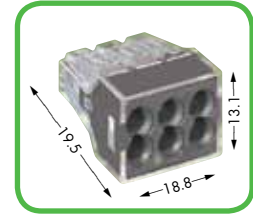
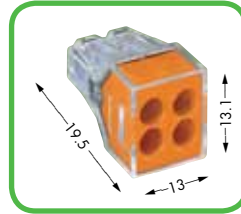
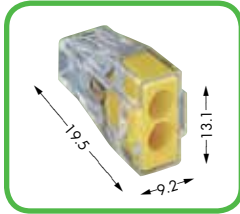


Integrated test port allows for easy testing of connection integrity










- Common (splice) up to 8 solid or stranded conductors in the same connector
- Option: mount to chassis or DIN rail via separate carrier
- The PUSHWIRE® connection clamps stranded or solid copper conductors
- Cross section up to 10 AWG
- Save up to 50% in wiring time over twist-type connectors

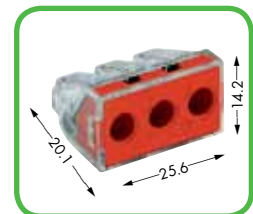
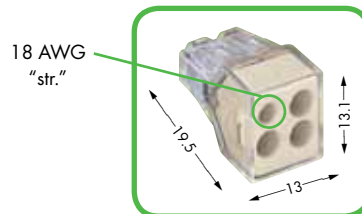
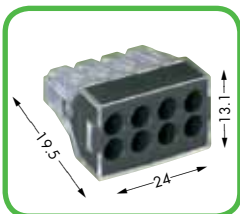
PUSHWIRE® Connectors for Junction Boxes, (solid and stranded wire), 773 Series WALL-NUTS®

| | | | | | |
|---|--|--|--|---|--|
| <p>2 x 0.75 – 2.5 mm² "s" 2 x 1.5 – 2.5 mm² "r" 400 V/ 4 kV/2* 24 A Max. op. temp. 105 °C</p>    | <p>2 x AWG 18 – 12 "sol." 2 x AWG 16 – 12 "str." (≤19) 600 V 1000 V signs & fixtures</p> | <p>4 x 0.75 – 2.5 mm² "s" 4 x 1.5 – 2.5 mm² "r" 400 V/ 4 kV/2* 24 A Max. op. temp. 105 °C</p>    | <p>4 x AWG 18 – 12 "sol." 4 x AWG 16 – 12 "str." (≤19) 600 V 1000 V signs & fixtures</p> | <p>6 x 0.75 – 2.5 mm² "s" 6 x 1.5 – 2.5 mm² "r" 400 V/ 4 kV/2* 24 A Max. op. temp. 105 °C</p>    | <p>6 x AWG 18 – 12 "sol." 6 x AWG 16 – 12 "str." (≤19) 600 V 1000 V signs & fixtures</p> |
|---|--|--|--|---|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|--------------------|---|--------------------|--|--------------------|
| Pushwire connectors for junction boxes, 2-conductor connectors, color of housing transparent, color of cover yellow | | Pushwire connectors for junction boxes, 4-conductor connectors, color of housing transparent, color of cover orange | | Pushwire connectors for junction boxes, 6-conductor connectors, color of housing transparent, color of cover black | |
| 773-162 | 100 pc/box | 773-164 | 100 pc/box | 773-166 | 50 pc/box |
| 773-102/VE00-0500 | 500 pc/bag | 773-104/PW05-400 | 400 pc/jar | 773-106/PW00-250 | 250 pc/jar |
| 773-102/PW05-650 | 650 pc/jar | 773-104/VE00-0500 | 500 pc/bag | 773-166/VE00-0500 | 500 pc/bag |
| 773-102/VE00-2500 | 2500 pc/bag | 773-104/VE00-2500 | 2500 pc/bag | 773-166/VE00-2500 | 2500 pc/bag |
| 51011251 | 10 pc/blister pack | 5101252 | 10 pc/blister pack | 51011253 | 10 pc/blister pack |

| | | | | | |
|---|--|---|---|--|--|
| <p>8 x 0.75 – 2.5 mm² "s" 8 x 1.5 – 2.5 mm² "r" 400 V/ 4 kV/2* 24 A Max. op. temp. 105 °C</p>    | <p>8 x AWG 18 – 12 "sol." 8 x AWG 16 – 12 "str." (≤19) 600 V 1000 V signs & fixtures</p> | <p>3 x 0.75 – 2.5 mm² "s" 3 x 1.5 – 2.5 mm² "r" 1 x 0.75 "sol.+rig." 400 V/ 4 kV/2* 24 A Max. op. temp. 105 °C</p>    | <p>3 x AWG 18 – 12 "sol." 3 x AWG 16 – 12 "str." (≤19) 1 x AWG 18 "sol.+str." (≤19) 600 V 1000 V signs & fixtures</p> | <p>3 x 1.5 – 6 mm² "s + st" 400 V/ 4 kV/2* 32 A Max. op. temp. 105 °C</p>    | <p>3 x AWG 14 – 10 "sol." + "str." (≤19) 600 V 1000 V signs & fixtures</p> |
|---|--|---|---|--|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|--------------------|---|----------------|--|-------------------|
| Pushwire connectors for junction boxes, 8-conductor connectors, color of housing transparent, color of cover dark grey | | Pushwire connectors for junction boxes, 4-conductor connectors, filled with contact paste "Alu-Plus", color of housing transparent, color of cover light grey | | Pushwire connectors for junction boxes, 3-conductor connectors, color of housing transparent, color of cover red | |
| 773-168 | 50 pc/box | 773-124 | 100 pc/box | 773-173 | 50 pc/box |
| 773-108/VE00-2500 | 2500 pc/bag | 773-124/VE01-0000 | 2500 pc/bag | 773-173/PW05-200 | 200 pc/jar |
| 51013414 | 10 pc/blister pack | | | 773-173/VE00-0500 | 500 pc/bag |
| | | | | 773-173/VE00-2500 | 2500 pc/bag |
| | | | | 51015201 | 5 pc/blister pack |

Packaging Options



Box





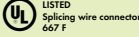








Blister Pack



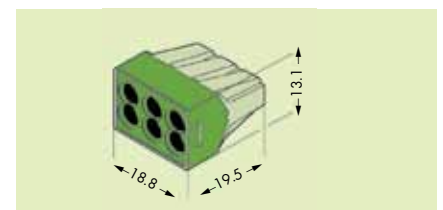
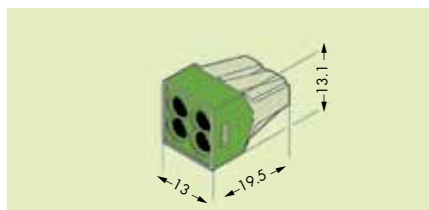
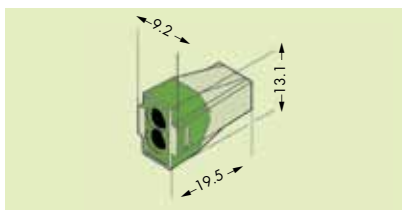
Jar


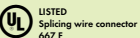


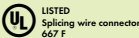


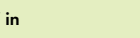

PUSHWIRE® Connectors for Junction Boxes, (solid and stranded wire), 773 Series WALL-NUTS® for Grounding and Bonding

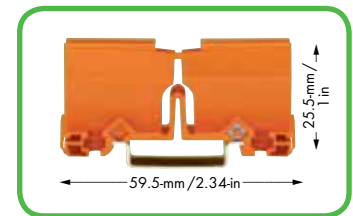
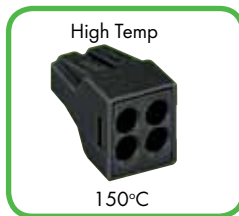
| | | | |
|---|---|---|---|
| <p>2 x 0.75-2.5 mm² "s" 2 x 1.5-2.5 mm² "r" 400 V/4 kV/2* 24 A Max. op. temp. 105°C</p>  12 mm / 0.47 in   | <p>2 x AWG 18-12 "sol." 2 x AWG 16-12 "str." (≤19) 600 V 1000 V signs & fixtures</p>  12 mm / 0.47 in   | <p>4 x 0.75 - 2.5 mm² "s" 4 x 1.5 - 2.5 mm² "r" 400 V/4 kV/2* 24 A Max. op. temp. 105°C</p>  12 mm / 0.47 in   | <p>6 x 0.75 - 2.5 mm² "s" 6 x 1.5 - 2.5 mm² "r" 400 V/4 kV/2* 24 A Max. op. temp. 105°C</p>  12 mm / 0.47 in   |
|---|---|---|---|



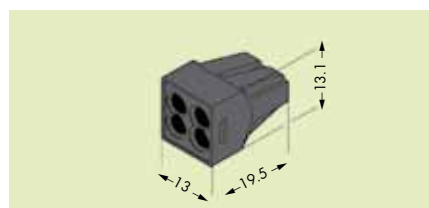
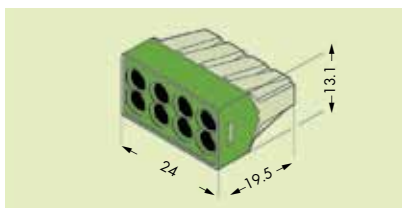
| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|--|----------------|--|----------------|
| Pushwire connectors for junction boxes, 2-conductor connectors, color of housing transparent, color of cover green | | Pushwire connectors for junction boxes, 4-conductor connectors, color of housing transparent, color of cover green | | Pushwire connectors for junction boxes, 6-conductor connectors, color of housing transparent, color of cover green | |
| 773-112 | 100 pc/box | 773-114 | 100 pc/box | 773-116 | 50 pc/box |




| | | | |
|---|---|---|--|
| <p>8 x 0.75 - 2.5 mm² "s" 8 x 1.5 - 2.5 mm² "r" 400 V/4 kV/2* 24 A Max. op. temp. 105°C</p>  12 mm / 0.47 in   | <p>8 x AWG 18 - 12 "sol." 8 x AWG 16 - 12 "str." (≤19) 600 V 1000 V signs & fixtures</p>  12 mm / 0.47 in   | <p>4 x 0.75 - 2.5 mm² "s" 4 x 1.5 - 2.5 mm² "r" 400 V/4 kV/2* 24 A Max. op. temp. 150°C</p>  12 mm / 0.47 in   | <p>Carrier for Push-Wire Connectors Carrier width 18 mm / 0.7 in</p> |
|---|---|---|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|---|----------------|--|----------------|
| Pushwire connectors for junction boxes, 8-conductor connectors, color of housing transparent, color of cover green | | Pushwire connectors for high temperature applications, 4-conductor connectors, color of housing black, color of cover black | | Fixing carrier for 4 pushwire connectors orange | |
| 773-118 | 50 pc/box | 773-514 | 50 pc/box | 773-332 | 50 pc/box |
| | | | | light grey | 50 pc/box |
| | | | | Marker strip, plain | 1 ea |



PUSHWIRE® Connectors for Junction Boxes, (solid and stranded wire), 773 Series WALL-NUTS® Suitable for EEX e Applications

| | | | |
|--------------------------|--|--|--|
| Conductor Range: | AWG 18-12 (solid) AWG 16-12 (stranded ≤19) AWG 14-10 (3-conductor only)* | Color: | Light Gray (housing and cover) |
| Electrical specs: | 600 V / 20 A maximum 600 V / 30 A maximum (3-conductor only)* | Strip length:  | 12 mm / 0.47 in 15 mm / 0.53 in (3-conductor only)* |

The WAGO 773 Series for applications in hazardous areas is an extension of the WAGO PUSHWIRE® connectors product group and has the same benefits in installation, technology, and reliable connection as the standard 773 Series for commercial and residential applications. The world's first PUSHWIRE® connectors offer the following features:

- Compact design allows a high concentration of more connectors in an Ex-junction box or Ex-terminal box resulting in space-savings and cost-effective installation solutions
- Easy wiring provides time-saving installation and saves money
- Resistance to vibration (shock-proof)
- Built-in test slot for easy troubleshooting
- Maintenance-free connection

Height: 13.1 mm / 0.516 in
Width: 9 mm / 0.354 in
Depth: 19.1 mm / 0.752 in






Height: 13.1 mm / 0.516 in
Width: 13 mm / 0.512 in
Depth: 19.1 mm / 0.752 in



Height: 13.1 mm / 0.516 in
Width: 19 mm / 0.748 in
Depth: 19.1 mm / 0.752 in



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|----------------|---|----------------|---|----------------|
|  773-492 | 100 |  773-494 | 100 |  773-496 | 100 |

Height: 13.1 mm / 0.516 in
Width: 24 mm / 0.945 in
Depth: 19.1 mm / 0.752 in





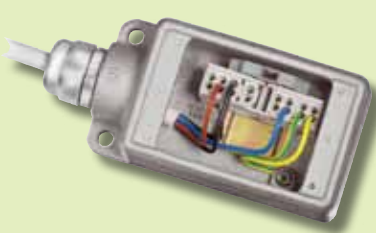
Height: 14.2 mm / 0.559 in
Width: 25.6 mm / 1.008 in
Depth: 20.1 mm / 0.791 in



Height: 30 mm / 1.181 in
Width: 18 mm / 0.709 in
Depth: 61 mm / 2.402 in




| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|----------------|---|----------------|----------|----------------|
|  773-498 | 100 |  773-493 | 50 | 773-331 | 50 (5 x 10) |



NOTE: For hazardous applications, this 773 Series MUST be used in conjunction with the mounting carrier specified on this page (item number 773-331).

Certification according to ATEX / UL Ex is based upon the use of the entire system (connector and fixing carrier).




Simple insertion of 773 into carrier - no tools required



End stops are locked in place to secure the connectors



Mounting carrier with connectors snaps on DIN RAIL

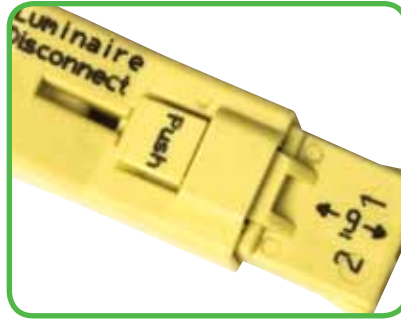


Removal of carrier from DIN RAIL

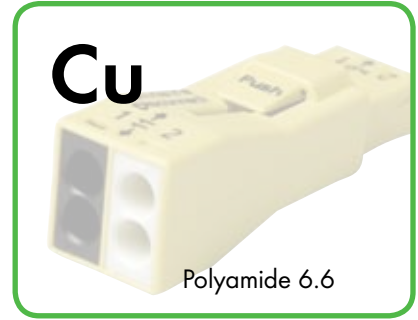
PUSHWIRE® Connector for Luminaire Disconnect, 873 Series LUMI-NUTS®



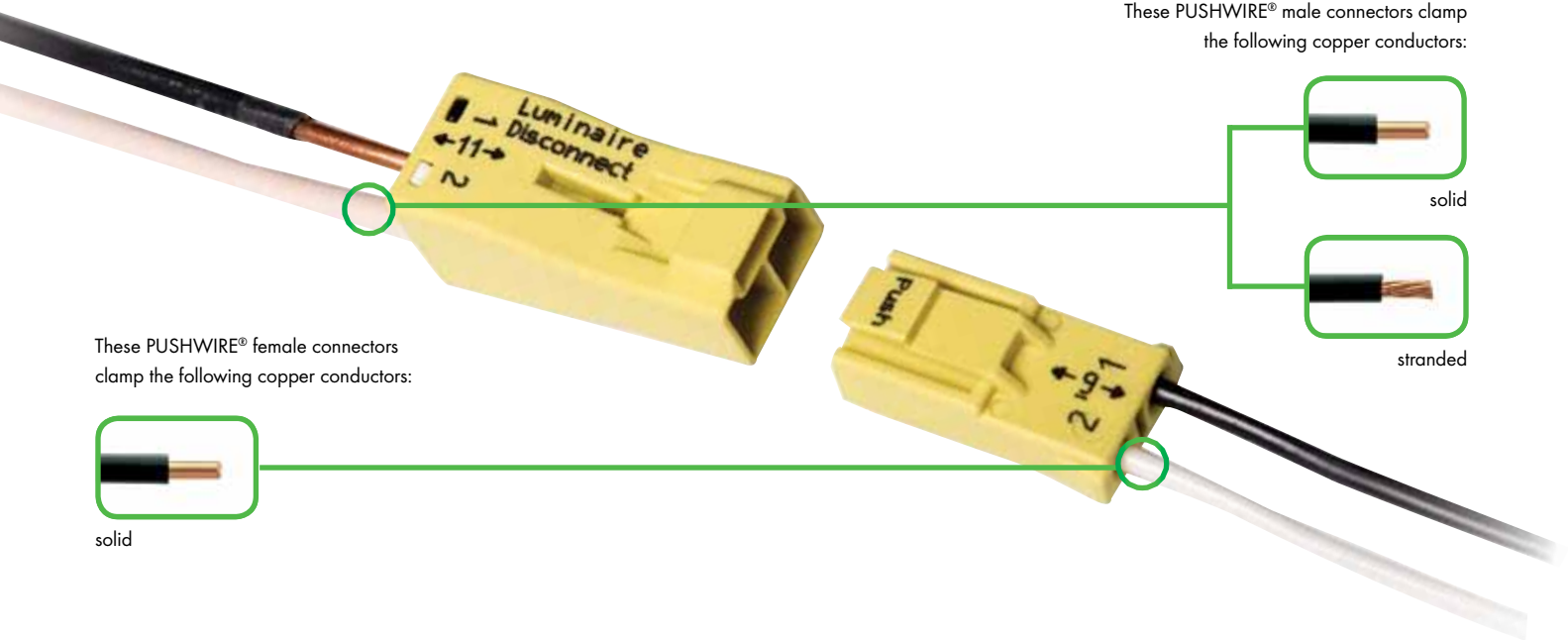
Molded in color coding for circuit wiring:
 Black = L
 White = N
 Red = dimming and switching (3-pole)
 Green = Ground (3-pole)
 Inkjet marking for additional requirements



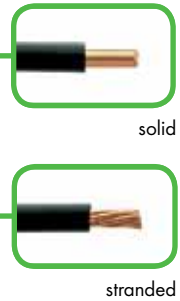
Integrated locking latch - automatic locking with mating of connectors - simple push down to disengage



Copper (not brass) for electrical integrity. UL94V-0 rated housing for utmost in flame-retardation



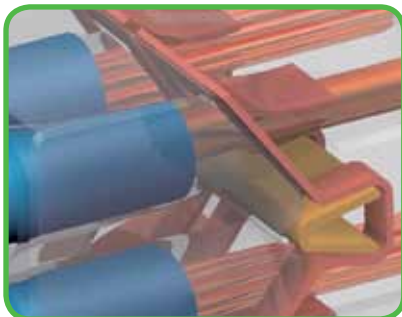
These PUSHWIRE® male connectors clamp the following copper conductors:



These PUSHWIRE® female connectors clamp the following copper conductors:



solid



Engineered two-piece construction: Copper current bar and stainless steel spring combine to provide optimal contact pressure independent of the housing






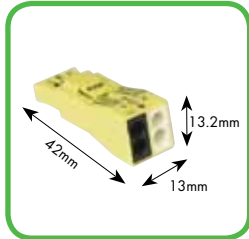
Completely touch-proof in the unmated position



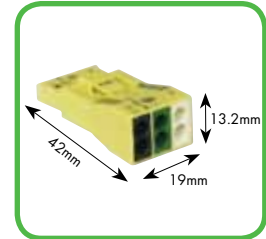
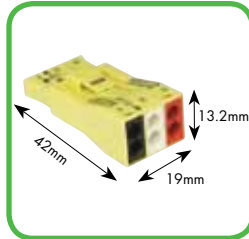
100% protected against mis-mating

PUSHWIRE® Connector for Luminaire Disconnect, 873 Series LUMI-NUTS®

| | | | | | |
|--|--|--|--|--|--|
| Male Connector 2 x AWG 18-12 "sol." per pole 2 x AWG 16-12 ≤19 "str." per pole 600 V 20 A Current capacity at max conductor size  11-13 mm/0.47 in | Female Connector 1 x AWG 18 "sol." per pole 600 V 6 A 9-11 mm/0.39 in | Male Connector 2 x AWG 18-12 "sol." per pole 2 x AWG 16-12 ≤19 "str." per pole 600 V 20 A Current capacity at max conductor size  11-13 mm/0.47 in | Female Connector 1 x AWG 18 "sol." per pole 600 V 6 A 9-11 mm/0.39 in | Male Connector 2 x AWG 18-12 "sol." per pole 2 x AWG 16-12 ≤19 "str." per pole 600 V 20 A Current capacity at max conductor size  11-13 mm/0.47 in | Female Connector 1 x AWG 18 "sol." per pole 600 V 6 A 9-11 mm/0.39 in |
|--|--|--|--|--|--|



Fits through 1/2 in knockout



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|----------------|---|----------------|--|----------------|
| Pushwire connectors for luminaire disconnect, 2-pole connectors | | Pushwire connectors for luminaire disconnect, 3-pole connectors, for switching and dimming applications | | Pushwire connectors for luminaire disconnect, 3-pole connectors, with "make first/break last" ground circuit | |
| 873-902 | | 873-903 | | 873-953 | |
| 873-902/K194-4045 | 25 pc/box | 873-903/K194-4045 | 20 pc/box | 873-953/VE00-0500 | 500 pc/bag |
| 873-902/PW05-200 | 200 pc/jar | 873-903/PW05-100 | 100 pc/jar | | |
| 873-902/VE00-0500 | 500 pc/bag | 873-903/VE00-0500 | 500 pc/bag | | |
| 873-902/VE00-5000 | 5,000 pc/bag | | | | |

Packaging Options



Box

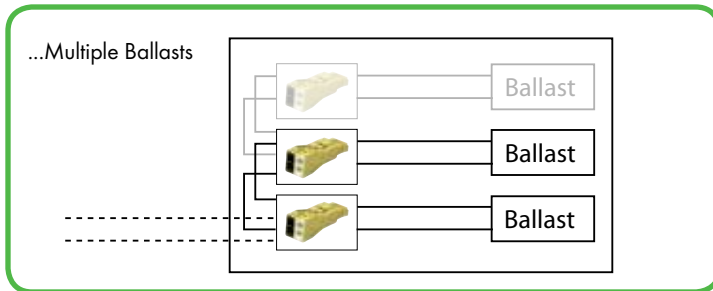
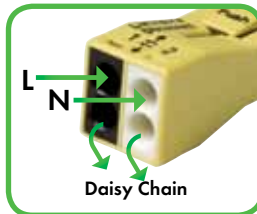


Jar

Optimal Installation

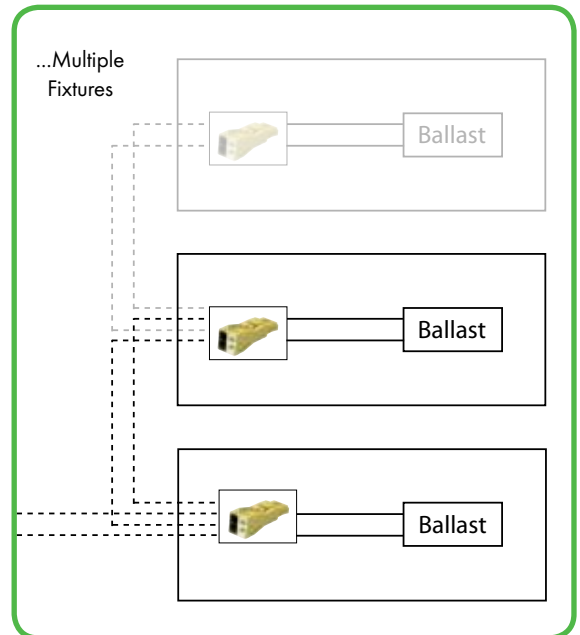
Exclusive dual port design *eliminates* the need for additional splicing connectors when wiring multiple luminaires, *minimizing component costs and labor.*

Daisy chain to...



Field Wiring

Factory Wiring



Additional Specifications

Meets: 2008 NEC 410.130(G) and CEC 30-308(4) for non-residential fluorescent luminaires
 UL2459 listed insulated multi-pole splicing connector (luminaire disconnect)
 CSA 22.2 No. 2459 certified insulated multi-pole splicing connector (luminaire disconnect)
 EN/IEC 60998 and EN/IEC61984 certified connector
 Max operating temperature: 105°C
 Flammability rating: UL94V-0



Listed

Luminaire Disconnect
3NLY

Compact Splicing Connectors, 222 Series LEVER-NUTS®



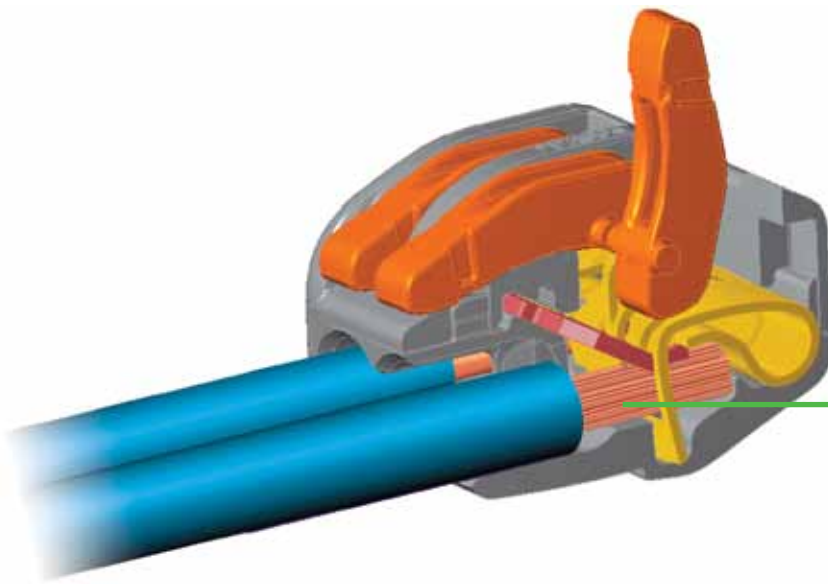
1) Strip Wire









2) Push up lever



3) Insert conductor and push down lever



These CAGE CLAMP® connectors clamp the following copper conductors:

-  solid
-  stranded
-  fine stranded
-  fine stranded, tip bonded
-  fine stranded with crimp ferrule
-  fine stranded with crimped pin terminal





Wiring of flexible conductors in a junction box



Integrated test port allows for easy testing of connection integrity

Compact Splicing Connectors, 222 Series LEVER-NUTS®

| | | |
|--|--|--|
| Cross section: | 28 – 12 AWG (solid, stranded and flexible) |  |
| Electrical specs: | 600 V (1000 V signs and fixtures) 20 A maximum * Based on 2008 NEC current rating of max conductor size | |
| Strip length:  | 9 - 10 mm / 0.37 in | |
| Maximum operating temperature: 105° C | | Approvals: UL, ENEC, PSE, ABS Also approved for grounding and bonding |

For all connections requiring...

- Stranded / solid wires
- Wide range of wire sizes
- Combination of different wire sizes and types in one connector
- Small space consumption
- Built-in test point
- Protection against electrical shock, touch safe
- Low installed cost and safe operation
- Maintenance-free connection
- A reusable connector

2-conductor connector



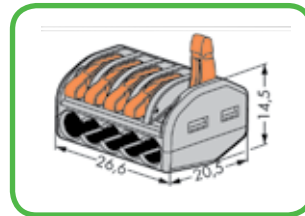
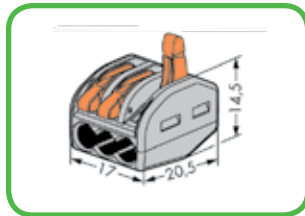
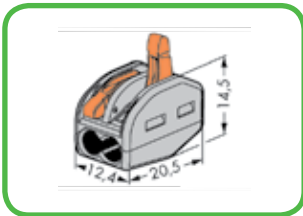
3-conductor connector



5-conductor connector



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 222-412 | | 222-413 | | 222-415 | |
| 222-412/K194-4045 | 50 pc box (1=50) | 222-413/K194-4045 | 50 pc box (1=50) | 222-415/K194-4045 | 40 pc box (1=40) |
| 222-412/PW05-0005 | 5 pc blister pack | 222-413/PW05-0005 | 5 pc blister pack | 222-415/PW05-0005 | 5 pc blister pack |
| 222-412/PW05-350 | 350 pc jar | 222-413/PW05-250 | 250 pc jar | 222-415/PW05-150 | 150 pc jar |
| 222-412/VE00-2500 | 2,500 pc bulk bag | 222-413/VE00-2500 | 2,500 pc bulk bag | 222-415/VE00-1000 | 1,000 pc bulk bag |



| Accessories | Item No. | Pack.-unit pcs |
|--|----------|----------------|
| Wire cutting and stripping tool (34-8 AWG) | 206-124 | 1 |
| Operating tool for Series 222 | 210-101 | 1 |

Packaging Options



Box



Blister Pack



Jar



Operating tool



Wire cutting and stripping tool

222 Series Mounting Carrier for LEVER-NUTS®

| | | |
|---|---|--|
| Mounting carrier for 222 Series compact connectors Accommodates: 2 x 222-415 1 x 222-415 + 1 x 222-413 3 x 222-413 1 x 222-415 + 2 x 222-412 4 x 222-412 3 x 222-412 + 1 x 222-413 | Strain relief plate for 222-500 mounting carrier | Universal right angled adapter for 222-500 mounting carrier 773-332 mounting carrier 273-150 mounting carrier |
|---|---|--|

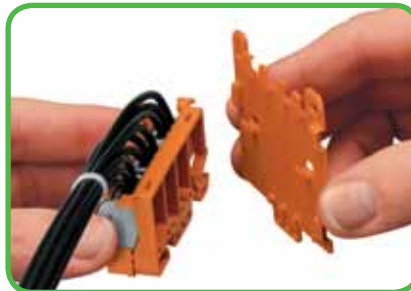


| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|---|----------------|--|----------------|
| Mounting carrier, orange, for 2-, 3- or 5-conductor compact connectors | | Strain relief plate, orange, for snap-on fixing to 222-500 mounting carrier | | Universal right angled adapter, gray, in combination with mounting carriers for DIN 35 rail mounting | |
| 222-500 | 50 (5x10) | 222-505 | 50 (5x10) | 222-510 | 50 (5x10) |
| Self-adhesive marker strips, plain | 210-334 | | | | |
| | 1 card | | | | |

Assembly



Snapping of lateral connector safety lock



Mounting of strain relief plate to the mounting carrier



Snapping the universal right angled adapter on the mounting carrier

Mounting



Horizontal mounting with strain relief plate on DIN 35 rail using universal right angled adapter



Strain relief by cable tie on the carrier, transverse to the connectors wiring direction. Molded marking of clamping units.



Horizontal mounting with strain relief plate on level surfaces. Testing connectors via test slots in the carrier.

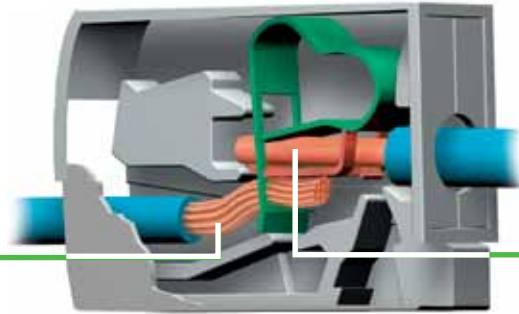
Lighting & "Service" Connectors, Series 224

Fixture Side

CAGE CLAMP®

Power Input Side

PUSH WIRE®



These PUSHWIRE® connectors clamp the following copper conductors:



solid



stranded



fine stranded



fine stranded,
tip bonded



fine stranded with
crimped ferrule



fine stranded with
crimped pin terminal



solid

Fixture Side

CAGE CLAMP®



Connection of conductors (lighting side):
Press button fully and insert stripped conductor into square entry and release



To remove: Press button and withdraw conductor

Power Input Side

PUSH WIRE®



Connection of conductors (installation side):
Introduce stripped solid conductor into circular entry and push to stop



Removal: Hold wire to be removed and twist alternating left and right while pulling the conductor

- The perfect in-line connector for solid-to-stranded wire
- Also with double service connection
- Tool-free connection

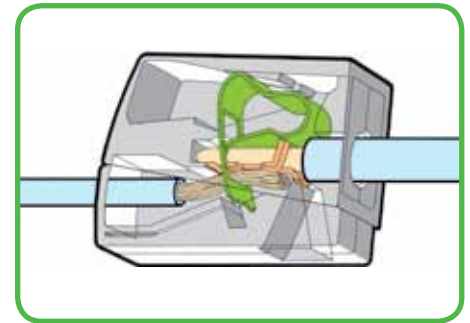


Testing through separate test slot

Lighting & "Service" Connectors, Series 224

Power input side
1.0 - 2.5 mm² "s"
Fixture side
0.5 - 2.5 mm² "s + f-st"
400 V/4 kV/2** ; 24 A
9 - 11 mm / 0.39 in
* VDE CCA N S D R G L B V

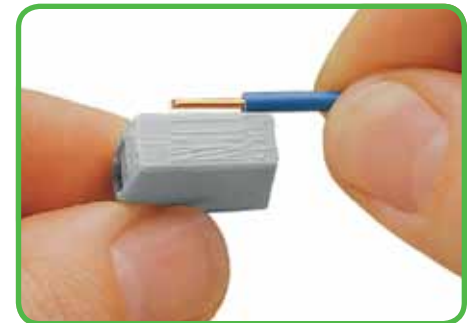
Power input side
2-x-1.0 - 2.5 mm² "s"
Fixture side
0.5 - 2.5 mm² "s + f-st"
400 V/4 kV/2** ; 24 A
9 - 11 mm / 0.39 in
* VDE CCA N S D R G L B V



Cutaway of lighting connector

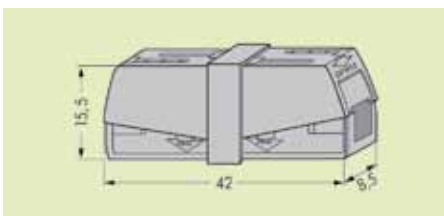
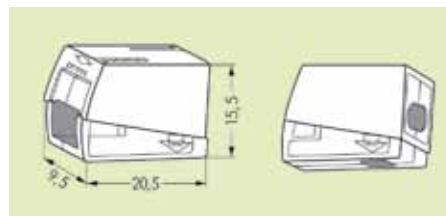
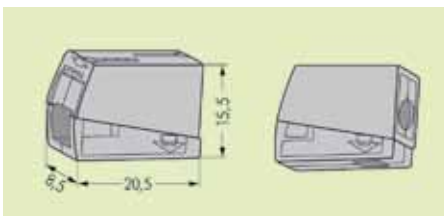
| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|--------------------------------|--|--------------------------------|
| Lighting connectors, standard version, continuous service temperature 105°C, grey | 224-101 1000 (10 x 100) | 2-conductor lighting connectors, standard version, continuous service temperature 105°C, white | 224-112 1000 (10 x 100) |
| version for increased continuous service temperature 120°C, black | 224-104 100 | version for increased continuous service temperature 120°C, black | 224-114 100 |
| "Service" connector, grey | 224-201 50 | | |

Stripped length



Strip conductor to 9 - 11 mm / 0.39 in

Dimensions (in mm)

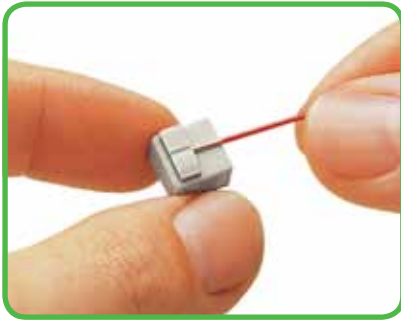


Testing

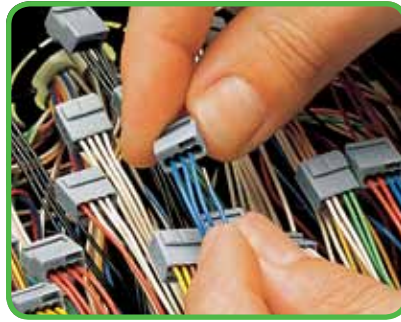


Testing through separate test slot

MICRO PUSHWIRE® Connectors for Junction Boxes, Fixing Carrier Series 243



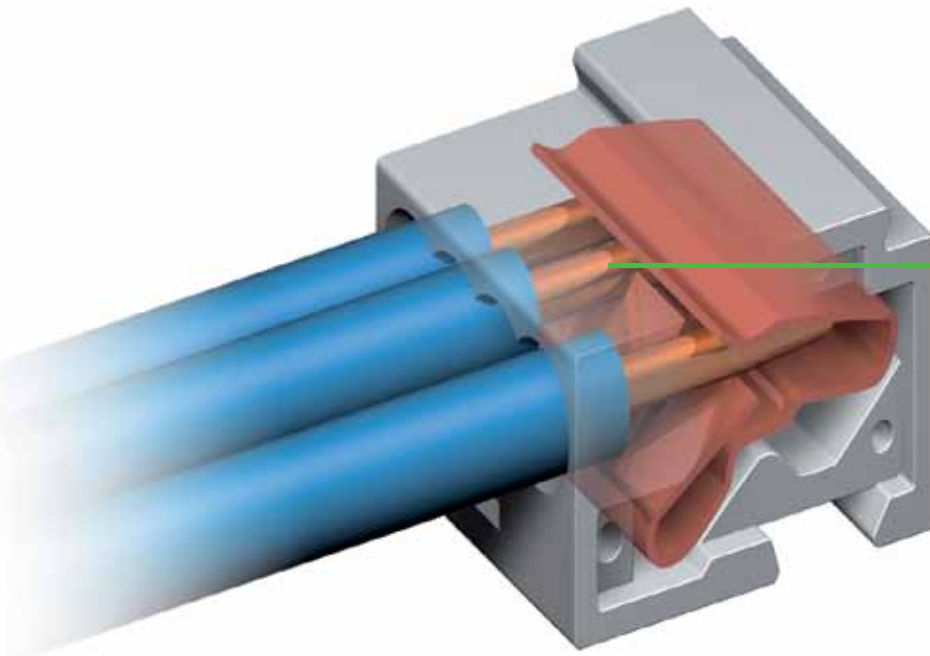
Stripped Length
Strip solid wire to 5-6 mm/.22 in



Connection
Insert stripped conductor FULLY



Removal
Hold wire to be removed and twist alternating left and right while pulling the conductor



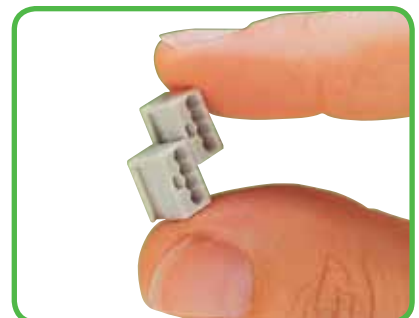
These PUSHWIRE® connectors clamp the following copper conductors:



solid






















Testing

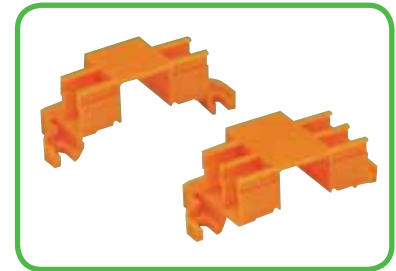


Connector Blocks
Assembly of modular connectors to connector strips




MICRO PUSHWIRE® Connectors for Junction Boxes, Fixing Carrier

Series 243

| | | | | |
|--|--|--|--|--|
| <p>4x0.6 – 0.8 Ø mm "s" **</p> <p>100 V/ 1.5 kV/2</p> <p>6 A</p> | <p>4 x AWG 22 – 20 "sol." **</p> <p>125 V, 7 A </p> <p>150 V, 7 A </p> | <p>8x0.6 – 0.8 Ø mm "s" **</p> <p>100 V/ 1.5 kV/2</p> <p>6 A</p> | <p>8 x AWG 22 – 20 "sol." **</p> <p>125 V, 7 A </p> <p>150 V, 7 A </p> | <p>Fixing carrier for MICRO push-wire connectors</p> |
| <p> 5 – 6 mm / 0.22 in</p> <p>*       </p> | | <p> 5 – 6 mm / 0.22 in</p> <p>*      </p> | | |



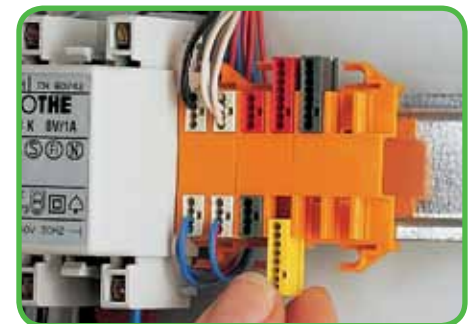
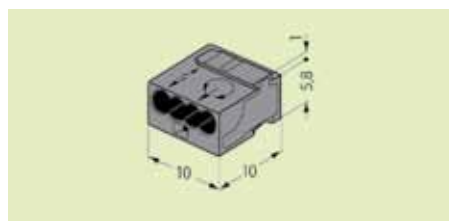
| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | |
|--|----------------|--|----------------|---------------------------|----------------|-------------|
| MICRO pushwire connectors for junction boxes, 4-conductor connectors | | MICRO pushwire connectors for junction boxes, 8-conductor connectors | | Fixing carrier | | |
| dark grey | 243-204 | 1000 (10 x 100) | dark grey | 243-208 | 500 (10 x 50) | |
| red | 243-804 | 1000 (10 x 100) | red | 243-808 | 500 (10 x 50) | |
| light grey | 243-304 | 1000 (10 x 100) | light grey | 243-308 | 500 (10 x 50) | |
| yellow | 243-504 | 1000 (10 x 100) | yellow | 243-508 | 500 (10 x 50) | |
| | | | | for 4 pushwire connectors | 243-112 | 50 (5 x 10) |
| | | | | for 6 pushwire connectors | 243-113 | 50 (5 x 10) |
| | | | | Marker strip, plain | 243-110 | 1 |

| | |
|--|-------------------------------|
| <p>4x 0.4 – 0.5 Ø mm "s"</p> <p>100 V/ 1.5 kV/2</p> <p>6 A</p> | <p>4 x AWG 26 – 24 "sol."</p> |
| <p> 5 – 6 mm / 0.22 in</p> <p>*  </p> | |

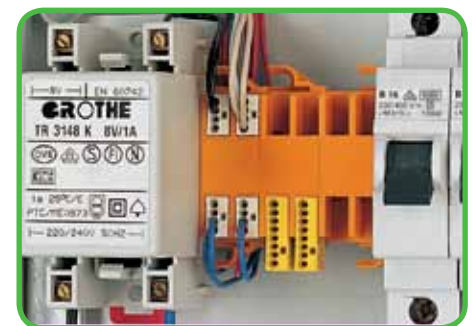


| Item No. | Pack.-unit pcs |
|--|-----------------|
| MICRO pushwire connector for junction boxes, 4-conductor connector | |
| transparent | 243-144 |
| | 1000 (10 x 100) |

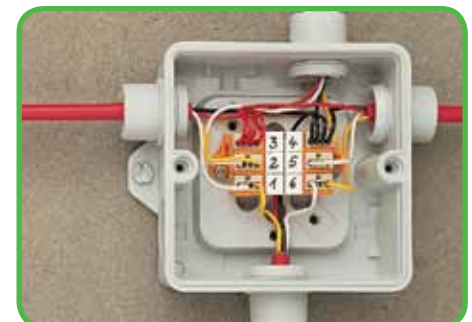
Dimensions (in mm)



Inserting a MICRO PUSHWIRE® connector for junction boxes into the carrier



Example of doorbell application - mounted on DIN 35 rail



Typical application in a terminal box for burglar alarm - screw fixing

* You can find approvals on the Internet at www.wago.us

**When using wires of the same diameter only, 0.5 Ø mm/AWG 24 or 1.0 Ø mm/AWG 18 are also possible

Cost Effective Terminal Blocks for Chassis Mounting, Series 862

Conductor Connection



- Four conductors per pole
- For solid and stranded conductors
- Mixed wiring with solid and stranded conductors of different cross sections

Marking

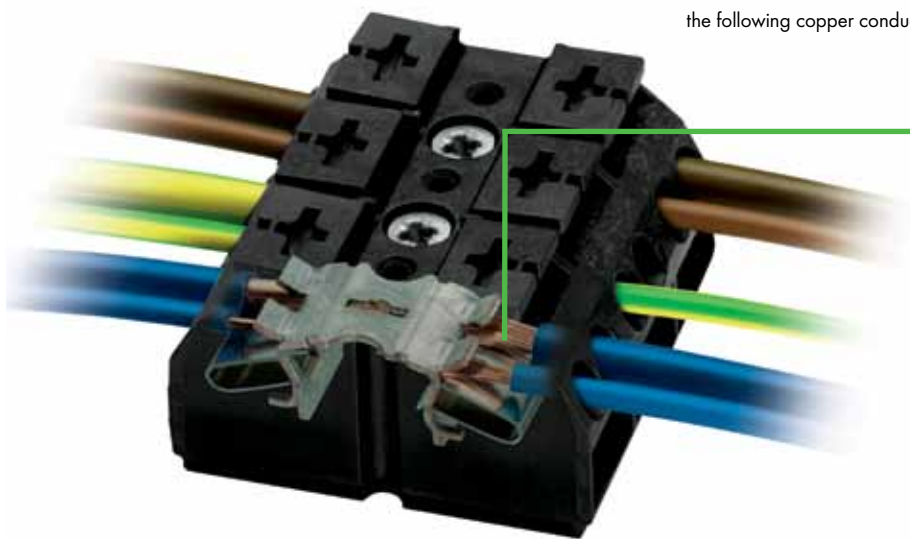


- Available pre-printed with single phase, 2 phase or 3 phase markings. Optional marker strip allows for marking via permanent marker or thermal printer (TP-343).

Jumpering



- Commoning with jumper bar



These CAGE CLAMP®S connectors clamp the following copper conductors:



solid



stranded



fine stranded



fine stranded,
tip bonded



fine stranded with
crimped ferrule



fine stranded with
crimped pin terminal

Cost-Effective Features:

The 862 Series chassis-mount terminal blocks minimize wiring costs and simplify mounting, while offering multiple connection points, marking and handling.

- Connects up to four conductors (sizes 22 - 12 AWG). Due to multiple connection points/pole, different sizes can be used within same terminal block position.
- CAGE CLAMP®S termination technology: solid conductors, stranded conductors with ferrules or ultrasonically bonded conductors are simply connected by pushing conductor into the contact.
- Integrated push button, with molded-in slots, accommodates fast and easy wiring of all conductor types – by hand or slotted tip/Phillips screwdriver.
- Convenient automatic grounding contact available.
- Snap-in mounting feet for fast assembly.
- Flexible marking options: standard marking (pre-marked), marker strip or custom marked for large quantity orders.
- Built-in test points simplify testing with 2mm/0.079 in. diameter test plug.

TP-343 printer for marking strip

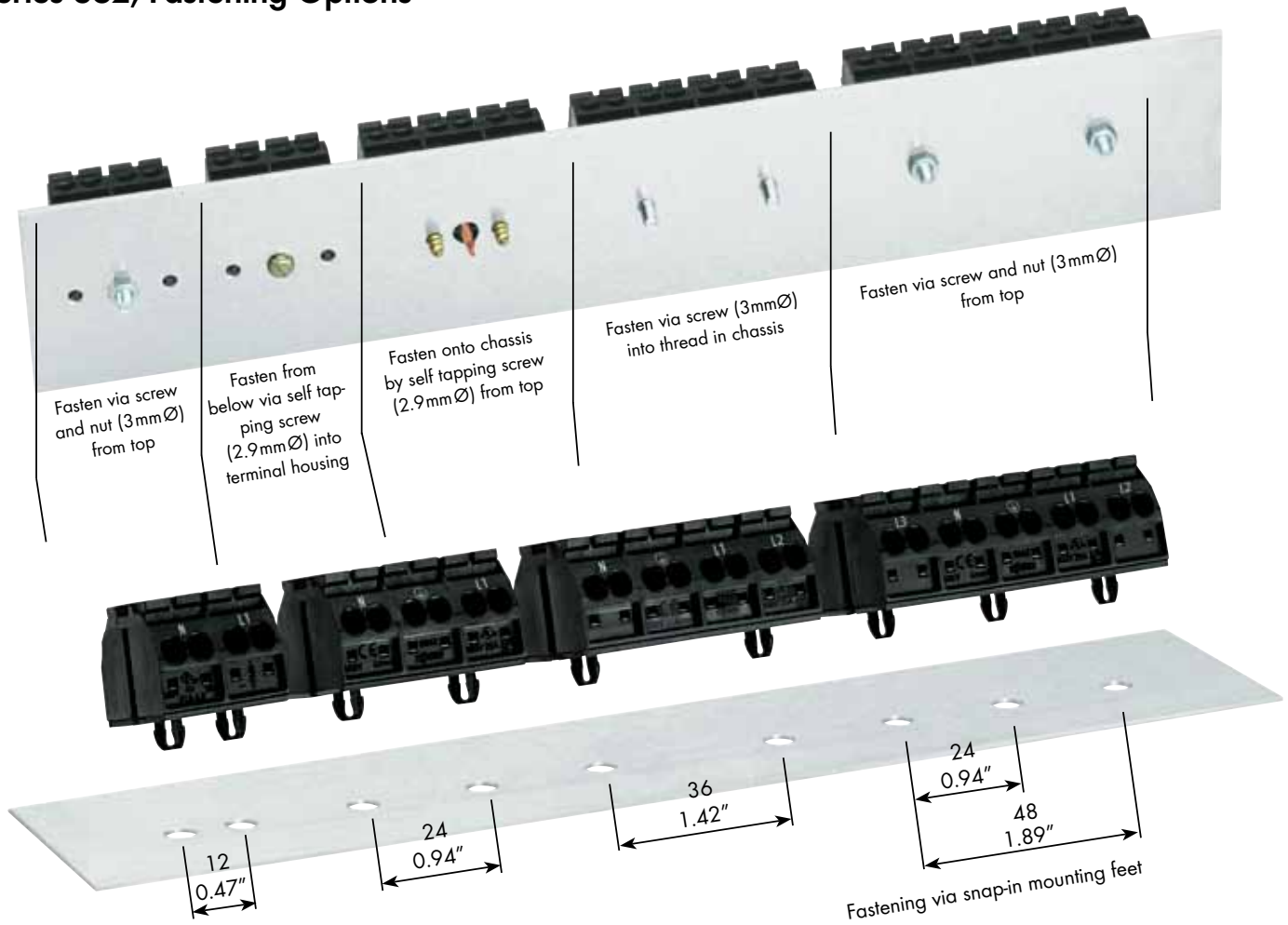


Ground (earth) contact

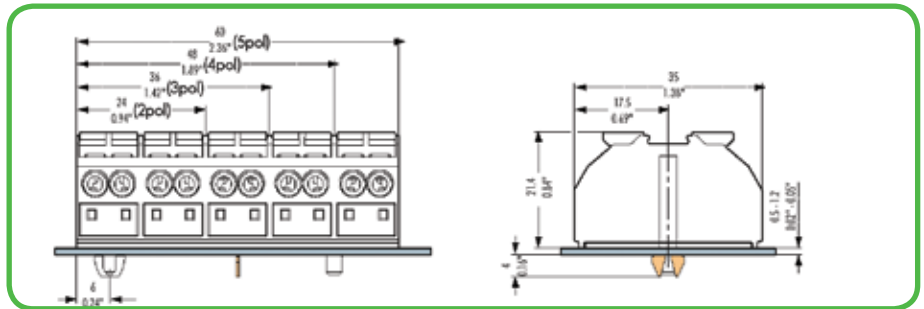
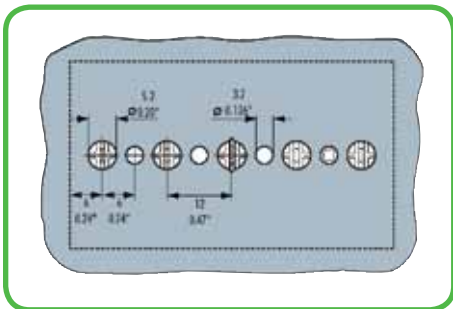


- Makes an automatic contact to the mounting plate
- Varnish coating is penetrated automatically

Cost Effective Terminal Blocks for Chassis Mounting, Series 862, Fastening Options



Dimensions (mm)



Mounting Foot









| Item No. | Pack.-unit pcs |
|--------------------------------------|----------------|
| Mounting foot for DIN Rail mounting, | |
| 209-120 | 25 |


Testing

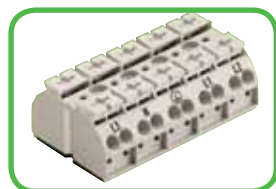


Testing with test plug 2 mm Ø

Terminal Blocks for Chassis Mounting, Series 862

| | | |
|--|---|---|
| | <p>4 x 0.5 – 4 mm² 500 V/6 kV/2 32 A</p> <p>4 x AWG 22 - 12  4 x AWG 20 -12  300 V, 20 A 600 V, 5 A 600 V, 20 A **</p> <p> 10 – 11 mm / 0.41 in</p> | <p>4 x 0.5 – 4 mm² 500 V/6 kV/2 32 A</p> <p>4 x AWG 22 - 12  4 x AWG 20 -12  300 V, 20 A 600 V, 5 A 600 V, 20 A **</p> <p> 10 – 11 mm / 0.41 in</p> |
|--|---|---|

**  with conditions of acceptability



Available in black and white









2 poles /8 connection points



3 poles /12 connection points

| without ground/ earth contact | with ground/ earth contact | Item No. black | Item No. white | Pack.-unit pcs | Item No. black | Item No. white | Pack.-unit pcs |
|---|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| for fastening screw 3 mm / 0.118 in Ø or for self tapping screw 2.9 mm / 0.114 in Ø from top | | | | | | | |
| without marking | | 862-0552 | 862-0652 | 500 | | | |
| L1-N (pre-marked) | | 862-1552 | 862-1652 | 500 | | | |
| N-L1 (pre-marked) | | 862-2552 | 862-2652 | 500 | | | |
| for self tapping screw 2.9 mm / 0.114 mm Ø from below | | | | | | | |
| without marking | | 862-0562 | 862-0662 | 500 | | | |
| L1-N (pre-marked) | | 862-1562 | 862-1662 | 500 | | | |
| N-L1 (pre-marked) | | 862-2562 | 862-2662 | 500 | | | |
| 1 snap-in foot per pole | | | | | | | |
| without marking | | 862-0532 | 862-0632 | 500 | | | |
| L1-N (pre-marked) | | 862-1532 | 862-1632 | 500 | | | |
| N-L1 (pre-marked) | | 862-2532 | 862-2632 | 500 | | | |
| for fastening screw 3 mm / 0.008 in Ø or for self tapping screw 2.9 mm / 0.114 in Ø from top | | | | | | | |
| without marking | | | | | 862-0503 | 862-0603 | 250 |
| PE-N-L1 (pre-marked) | | | | | 862-1503 | 862-1603 | 250 |
| N-PE-L1 (pre-marked) | | | | | 862-2503 | 862-2603 | 250 |
| (pre-marked) N-PE-L1 | | | | | 862-8503 | 862-8603 | 250 |
| (pre-marked) PE-N-L1 | | | | | 862-9503 | 862-9603 | 250 |
| 1 snap-in foot per pole | | | | | | | |
| without marking | | | | | 862-0533 | 862-0633 | 250 |
| PE-N-L1 (pre-marked) | | | | | 862-1533 | 862-1633 | 250 |
| N-PE-L1 (pre-marked) | | | | | 862-2533 | 862-2633 | 250 |
| (pre-marked) N-PE-L1 | | | | | 862-8533 | 862-8633 | 250 |
| (pre-marked) PE-N-L1 | | | | | 862-9533 | 862-9633 | 250 |
| snap-in feet at pos. 1+3 | | | | | | | |
| without marking | | | | | 862-0593 | 862-0693 | 250 |
| PE-N-L1 (pre-marked) | | | | | 862-1593 | 862-1693 | 250 |
| N-PE-L1 (pre-marked) | | | | | 862-2593 | 862-2693 | 250 |
| (pre-marked) N-PE-L1 | | | | | 862-8593 | 862-8693 | 250 |
| (pre-marked) PE-N-L1 | | | | | 862-9593 | 862-9693 | 250 |

Accessories

| | | |
|--|--|--|
| <p>Comb-type jumper bar, can easily be inserted into the wire entry, 32 A</p>  <p>862-482 5</p> | <p>Test plug, with cable 500 mm / 1'7.7"</p>  <p>2 mm / 0.079 in Ø, red</p> <p>210-136 1</p> | <p>Test plug, with cable 500 mm / 1'7.7"</p>  <p>2.3 mm / 0.091 in Ø, yellow</p> <p>210-137 50 (5 x 10)</p> |
| <p>Screwdriver, with partially insulated shaft</p>  <p>(3.5 x 0.5) mm (.14 x .0025) in</p> <p>210-720 1</p> | <p>Marker strip, white, plain for central marking;</p>  <p>7.5 mm wide, on roll, 50 m long</p> <p>709-178 1</p> | <p>Marker strip, translucent, plain for central marking;</p>  <p>7.5 mm wide, on roll, 50 m long</p> <p>709-177 1</p> |

Terminal Blocks for Chassis Mounting, Series 862

| | | | |
|---|--|---|--|
| 4 x 0.5 – 4 mm ² 500 V/6 kV/2 32 A | 4 x AWG 22 - 12 4 x AWG 20 - 12 300 V, 20 A 600 V, 5 A 600 V, 20 A** | 4 x 0.5 – 4 mm ² 500 V/6 kV/2 32 A | 4 x AWG 22 - 12 4 x AWG 20 - 12 300 V, 20 A 600 V, 5 A 600 V, 20 A** |
| 10 - 11 mm / 0.41 in | | 10 - 11 mm / 0.41 in | |

** with conditions of acceptability



Available in black and white



4 poles /16 connection points



5 poles /20 connection points

| without ground/ earth contact | with ground/ earth contact | Item No. black | Item No. white | Pack.-unit pcs | Item No. black | Item No. white | Pack.-unit pcs |
|---|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| for fastening screw 3 mm Ø or for self tapping screw 2.9 mm Ø from top | | | | | | | |
| without marking | | 862-0504 | 862-0604 | 200 | | | |
| | PE-N-L1-L2 (pre-marked) | 862-1504 | 862-1604 | 200 | | | |
| | N-PE-L1-L2 (pre-marked) | 862-2504 | 862-2604 | 200 | | | |
| | (pre-marked) N-PE-L1-L2 | 862-8504 | 862-8604 | 200 | | | |
| | (pre-marked) PE-N-L1-L2 | 862-9504 | 862-9604 | 200 | | | |
| 1 snap-in foot per pole | | | | | | | |
| without marking | | 862-0534 | 862-0634 | 200 | | | |
| | PE-N-L1-L2 (pre-marked) | 862-1534 | 862-1634 | 200 | | | |
| | N-PE-L1-L2 (pre-marked) | 862-2534 | 862-2634 | 200 | | | |
| | (pre-marked) N-PE-L1-L2 | 862-8534 | 862-8634 | 200 | | | |
| | (pre-marked) PE-N-L1-L2 | 862-9534 | 862-9634 | 200 | | | |
| snap-in feet at pos. 1+4 | | | | | | | |
| without marking | | 862-0594 | 862-0694 | 200 | | | |
| | PE-N-L1-L2 (pre-marked) | 862-1594 | 862-1694 | 200 | | | |
| | N-PE-L1-L2 (pre-marked) | 862-2594 | 862-2694 | 200 | | | |
| | (pre-marked) N-PE-L1-L2 | 862-8594 | 862-8694 | 200 | | | |
| | (pre-marked) PE-N-L1-L2 | 862-9594 | 862-9694 | 200 | | | |
| for fastening screw 3 mm Ø or for self tapping screw 2.9 mm Ø from top | | | | | | | |
| without marking | | | | | 862-0505 | 862-0605 | 200 |
| | PE-N-L1-L2-L3 (pre-marked) | | | | 862-1505 | 862-1605 | 200 |
| | L3-N-PE-L1-L2 (pre-marked) | | | | 862-2505 | 862-2605 | 200 |
| | (pre-marked) L3-N-PE-L1-L2 | | | | 862-8505 | 862-8605 | 200 |
| | (pre-marked) PE-N-L1-L2-L3 | | | | 862-9505 | 862-9605 | 200 |
| 1 snap-in feet at pos. 2+4 | | | | | | | |
| without marking | | | | | 862-0525 | 862-0625 | 200 |
| | PE-N-L1-L2-L3 (pre-marked) | | | | 862-1525 | 862-1625 | 200 |
| | L3-N-PE-L1-L2 (pre-marked) | | | | 862-2525 | 862-2625 | 200 |
| | (pre-marked) L3-N-PE-L1-L2 | | | | 862-8525 | 862-8625 | 200 |
| | (pre-marked) PE-N-L1-L2-L3 | | | | 862-9525 | 862-9625 | 200 |
| snap-in feet at pos. 1+3+5 | | | | | | | |
| without marking | | | | | 862-0515 | 862-0615 | 200 |
| | PE-N-L1-L2-L3 (pre-marked) | | | | 862-1515 | 862-1615 | 200 |
| | L3-N-PE-L1-L2 (pre-marked) | | | | 862-2515 | 862-2615 | 200 |
| | (pre-marked) L3-N-PE-L1-L2 | | | | 862-8515 | 862-8615 | 200 |
| | (pre-marked) PE-N-L1-L2-L3 | | | | 862-9515 | 862-9615 | 200 |

| Ferrules | | Sleeve for mm ² | AWG | Color | Stripped length mm | L | L1 | D mm | D | D2 | Item No. | Pack.-unit pcs |
|----------|----------------------|-------------------------------|-----|-------|-----------------------|------|------|---------|-----|-----|----------------|-------------------|
| | Insulated ferrules | 0.5 | 22 | white | 12.0 | 16.0 | 10.0 | 3.1 | 2.6 | 1.0 | 216-241 | 1000 |
| | | 0.75 | 20 | grey | 12.0 | 16.0 | 10.0 | 3.3 | 2.8 | 1.2 | 216-242 | 1000 |
| | | 1.0 | 18 | red | 12.0 | 16.0 | 10.0 | 3.5 | 3.0 | 1.4 | 216-243 | 1000 |
| | | 1.5 | 16 | black | 12.0 | 16.0 | 10.0 | 4.0 | 3.5 | 1.7 | 216-244 | 1000 |
| | Uninsulated ferrules | 0.5 | 22 | | 10 | 10 | | 2.1 | | 1.0 | 216-141 | 1000 |
| | | 0.75 | 20 | | 10 | 10 | | 2.3 | | 1.2 | 216-142 | 1000 |
| | | 1.0 | 18 | | 10 | 10 | | 2.5 | | 1.4 | 216-143 | 1000 |
| | | 1.5 | 16 | | 10 | 10 | | 2.8 | | 1.7 | 216-144 | 1000 |

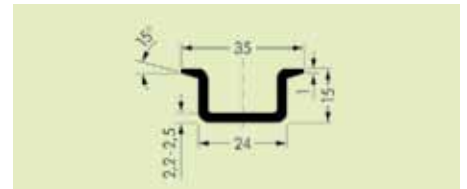
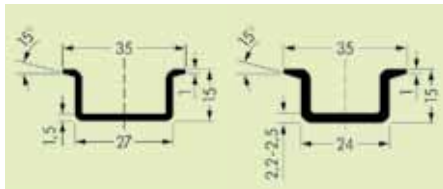
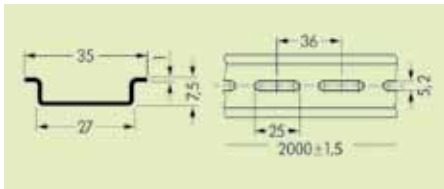
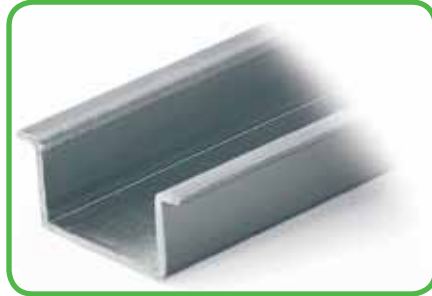
| Tools | | | | | |
|-------|--------------------------|--|---------------------------|--|---------------------------------|
| | Crimp Tool | | Stripper / Cutter | | Thermal Transfer Printer TP-343 |
| | 206-204 | | 206-124 | | 258-343/PW05-0100 |
| | 0.25 - 4 mm ² | | 0.02 - 10 mm ² | | |
| | AWG 24 - 12 | | AWG 34 - 8 | | |

Carrier Rails, Series 210

Carrier rail 35 x 7.5 mm,
1-mm/0.039 in thick,
acc. to EN 60715,
Steel, zinc-plated and yellow chromated
I_N 76 A (referred to a length of 1 m)

Carrier rail 35 x 15 mm,
1.5 mm/0.059 in and 2.3 mm/0.091 in thick,
acc. to EN 60715,
Steel, zinc-plated and yellow chromated
I_N 125 A (referred to a length of 1 m)

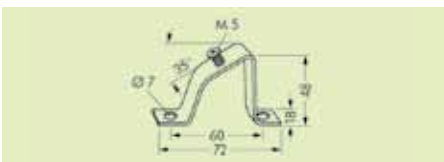
Carrier rail 35 x 15 mm,
2.3 mm/0.091 in thick,
acc. to EN 60715,
Copper, unplated
I_N 309 A (referred to a length of 1 m)



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|---|----------------|---|----------------|
| Steel rail 35 x 7.5 mm, 1 mm/0.039 in th., unslotted 2 m/6'6" long 210-113 | 10 | Steel rail 35 x 15 mm, 2 m/6'6" long 1.5 mm thick 210-114 unslotted | 10 | Copper carrier rail 35 x 15 mm, 2.3 mm/0.091 in thick, unslotted 2 m/6'6" long 210-198 | 10 |
| Steel rail 35 x 7.5 mm, 1 mm/0.039 in th., slotted 2 m/6'6" long 210-112 | 10 | 1.5 mm thick 210-197 slotted | 10 | | |
| | | 2.3 mm thick 210-118 unslotted | 10 | | |

Angled support bracket
Steel, zinc-plated and yellow chromated

End Stop



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|----------------|------------------------------|----------------|
| Angled support bracket, without screw 210-148 | 10 | 6 mm wide 249-116 | 100 |
| Screw M 5 x 8 210-149 | 100 (5 x 20) | 10 mm wide 249-117 | 100 |

Operating Tools, Series 210, Series 209

| | | |
|--|---|--|
| <p>Screwdrivers with partially insulated shaft for optimum handling of CAGE CLAMP® connection in terminal blocks and connectors</p> | <p>Multipole operating tools for front-entry terminal blocks (insulated)</p> | <p>Screwdrivers (DIN 5264) for optimum handling of CAGE CLAMP® connection in terminal blocks and connectors</p> |
|--|---|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | | | | |
|---|----------------|----------|---|----------------|----------------|---|--|----------------|---|
| Screwdriver, with partially insulated shaft, blade 2.5 x 0.4 mm/0.098 x 0.016 in suitable for series 218, 233, 234, 235, 250, 253, 279, 733, 734, 735, 770, 2001 | 210-719 | 1 | Operating tool, solid non-conducting material suitable for series 279 | 1-way | 209-129 | 1 | Operating tool with partially insulated shaft, (3.5 x 0.5) mm blade, short, for 260, 261, 262, 264, 270, 280, 281, 869, 870, 880 Series | 210-657 | 1 |
| Screwdriver, with partially insulated shaft, blade 3.5 x 0.5 mm/0.137 x 0.020 in suitable for series 231, 232, 236, 255, 256, 257, 264, 280, 281, 721, 722, 736, 737, 738, 742, 745, 804, 869, 2002, 2004 | 210-720 | 1 | suitable for series 279 | 2-way | 279-432 | 1 | Operating tool with partially insulated shaft, (3.5 x 0.5) mm blade, short angled, ideal for 280 Series actuator and sensor terminal blocks, along with 231, 232, 236, 255, 256, 257, 260, 261, 262, 264, 280, 281, 721, 736, 738, 742, 745, 804, 869, 870, 880, 2002 and 2004 Series | 210-658 | 1 |
| Screwdriver, with partially insulated shaft, blade 5.5 x 0.8 mm/0.217 x 0.031 in suitable for series 282, 283, 284, 285, 745, 2006, 2010, 2016 | 210-721 | 1 | 3-way | 279-433 | 1 | | | | |
| | | | 10-way | 279-440 | 1 | | | | |
| | | | suitable for series 264*, 280, 281** | 1-way | 209-130 | 1 | | | |
| | | | 2-way | 280-432 | 1 | | | | |
| | | | 3-way | 280-433 | 1 | | | | |
| 4-way | 280-434 | 1 | | | | | | | |
| 5-way | 280-435 | 1 | | | | | | | |
| 6-way | 280-436 | 1 | | | | | | | |
| 7-way | 280-437 | 1 | | | | | | | |
| 8-way | 280-438 | 1 | | | | | | | |
| 9-way | 280-439 | 1 | | | | | | | |
| 10-way | 280-440 | 1 | | | | | | | |
| Screwdriver, with partially insulated shaft, - set -, consists of 210-719, 210-720 und 210-721 | 210-722 | 1 | suitable for series 281 | 5-way | 281-440 | 1 | | | |
| | | | * only 1- and 2-way | | | | | | |
| | | | ** only up to 3-way | | | | | | |

Application notes



Set of screwdrivers in a box



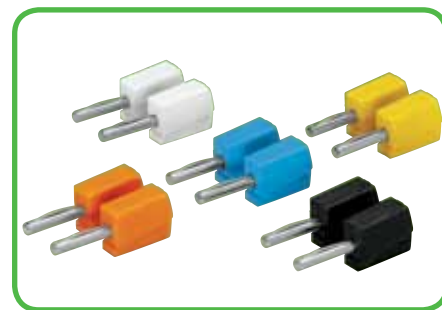
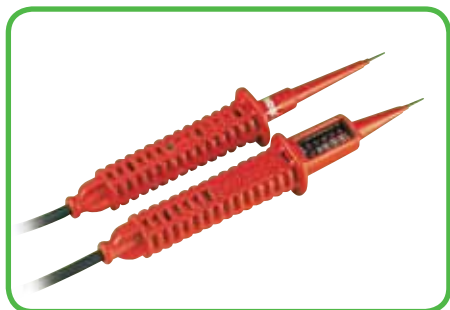
Commoning of front-entry through terminal blocks with comb type jumper bars with the aid of a 10-way operating tool



The blade dimensions of the a. m. screwdrivers (DIN 5264) are particularly appropriate for easy front-entry sensor and actuator terminal blocks of series 280

Voltage Tester, Testboy and Banana Plugs, Series 206, Series 215

| | | |
|--|----------------|--|
| <p>Voltage tester Profipol 12 V to 400 V AC 12 V to 500 V DC</p> <p>Weight 138 g / 0.304 lbs</p> | <p>Testboy</p> | <p>Banana plugs for sockets Ø 4 mm 0.08 – 2.5 mm² AWG 28 – 14 42 V 20 A L 9 – 11 mm / 0.39 in</p> |
|--|----------------|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|-------------------------|----------------------------------|-------------------------------------|---------------------|------------------------------------|----------------|
| Voltage tester Profipol | | Testboy, with integrated flashlight | | Banana plugs, for sockets Ø 4 mm | |
| 206-802 | 1 | 206-804 | 1 | color mixed | 50 |
| Voltage range | AC 12V to 400V DC 12V to 500V | Voltage range | 120V up to AC 1000V | orange, blue, yellow, white, black | |
| LED indication AC | 12V, 50V, 100V, 230V, 400V | | | Banana plugs, for sockets Ø 4 mm | |
| DC | 12V, 60V, 120V, 280V, 500V | | | orange | 50 |
| Type of protection | IP 65 | | | red | 50 |
| Operating time | 30 s max. | | | black | 50 |
| Temperature range | -10° up to + 50° C | | | green | 50 |
| | | | | yellow | 50 |
| | | | | blue | 50 |
| | | | | grey | 50 |
| | | | | green-yellow | 50 |

Application notes



Voltage testing of pushwire connectors

- LED band provides clear voltage range readings (white scale = AC voltage red scale = DC voltage)
- LED indication of polarity
- Double-pole voltage testing
- Type of protection IP 65
- Switching is not necessary
- 85 cm long highly flexible and nonskid test cable



A device that will reliably detect AC voltages in cables, sockets, fuses, switches, connector boxes, etc.

The following can be detected by the WAGO Testboy:

- Live conductors
- Line breaks
- Blown fuses
- Defective switches
- Defective lamps






Connection of conductors:
Press button fully and insert stripped conductor into square entry and release

Wire Cutter and Stripping Tools, Series 206

| | | |
|--|--|---|
| <p>Wire cutter acc. to VDE for copper and aluminum wires up to 35 mm²/2 AWG</p> <p>Weight 200 g / 0.441 lbs</p> | <p>Quickstrip 10 wire stripper 0.02 mm² – 10 mm² "f-st" (6 mm² "s") wire cutter up to 10 mm² "f-st" (1.5 mm² "s") 34 - 8 AWG Weight 136 g / 0.297 lbs</p> | <p>Quickstrip 16 wire stripper 4 mm² – 16 mm² wire cutter up to 10 mm² "f-st" (1.5 mm² "s") 12 - 6 AWG Weight 136 g / 0.297 lbs</p> |
|--|--|---|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|-------------|----------------|------------------------------|----------------|------------------------------|----------------|
| Wire cutter | | Stripping tool Quickstrip 10 | | Stripping tool Quickstrip 16 | |
| 206-118 | 1 | 206-124 | 1 | 206-125 | 1 |

| Accessories, Series 206 | | | | | |
|-------------------------|--|---|---|---|--|
| | | Standard blade cassette | | | |
| | |  | 0.02 mm ² up to 10 mm ² |  | 4 mm ² up to 16 mm ² |
| | | 206-126 | 1 | 206-128 | 1 |
| | | "V" blade cassette | | | |
| | |  | 0.02 mm ² up to 4 mm ² for PTFE | | |
| | | 206-127 | 1 | | |

Application notes



Cutting of wire



Quickstrip 16: Stripping of wire



Quickstrip 16 Cutting of wire

- Automatic adjustment to wire size
- No damage to wire strands
- Gripping pressure of jaws adjusts automatically to wire insulation diameter
- Full cycle strip – jaws open after stripping, ensures no nicked strands
- Exact strip length may be set by sliding of black setting stop
- Replaceable stripping jaw assembly
- Self-sharpening, fully protected wire cutter
- Glass fiber reinforced polyamide tool body

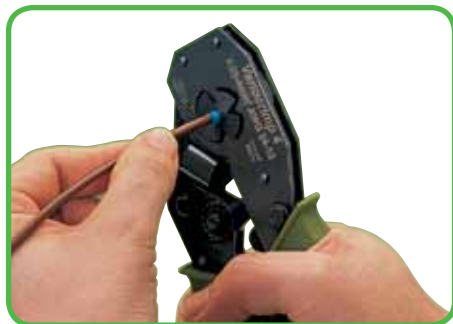
Crimping Tool Variocrimp 4, Variocrimp 16, Ferrules, Series 206, Series 216

| | |
|---|---------------------------|
| <p>Crimping tools for ferrules insulated or uninsulated</p> <p>Variocrimp 4 from 0.25 mm² – 4 mm²</p> <p>Weight 400 g / 0.882 lbs</p> <p>Variocrimp 16 from 6 mm² – 16 mm²</p> <p>Weight 580 g / 1.28 lbs</p> | <p>Insulated ferrules</p> |
|---|---------------------------|



| Item No. | Pack.-unit pcs | Sleeve for mm ² AWG | Color | Stripped length mm | L | L1 | D mm | D1 | D2 | Item No. | Pack.-unit pcs |
|---|----------------|--------------------------------|--------|--------------------|------|------|------|---------|------|----------|----------------|
| Variocrimp 4 206-204 0.25 mm ² - 4 mm ² / AWG 24 - 12 | 1 | 0.25 24 | yellow | 7.5 | 10.5 | 6.0 | 2.5 | 2.0 | 0.8 | 216-321 | 1000 |
| | | 0.25 24 | yellow | 9.5 | 12.5 | 8.0 | 2.5 | 2.0 | 0.8 | 216-301 | 1000 |
| | | 0.35 24 | green | 7.5 | 10.5 | 6.0 | 2.5 | 2.0 | 0.8 | 216-322 | 1000 |
| | | 0.34 24 | green | 9.5 | 12.5 | 8.0 | 2.5 | 2.0 | 0.8 | 216-302 | 1000 |
| Variocrimp 16 206-216 6 mm ² - 16 mm ² / AWG 10 - 6 | 1 | 0.5 22 | white | 7.5 | 11.5 | 6.0 | 3.0 | 2.5 | 1.1 | 216-221 | 1000 |
| | | 0.5 22 | white | 9.5 | 13.5 | 8.0 | 3.0 | 2.5 | 1.1 | 216-201 | 1000 |
| | | 0.75 20 | grey | 8.0 | 12.0 | 6.0 | 3.3 | 2.8 | 1.3 | 216-222 | 1000 |
| | | 0.75 20 | grey | 10.0 | 14.0 | 8.0 | 3.3 | 2.8 | 1.3 | 216-202 | 1000 |
| | | 1.0 18 | red | 8.0 | 12.0 | 6.0 | 3.6 | 3.0 | 1.5 | 216-223 | 1000 |
| | | 1.0 18 | red | 10.0 | 14.0 | 8.0 | 3.6 | 3.0 | 1.5 | 216-203 | 1000 |
| | | 1.5 16 | black | 8.0 | 12.0 | 6.0 | 4.0 | 3.4 | 1.8 | 216-224 | 1000 |
| | | 1.5 16 | black | 10.0 | 14.0 | 8.0 | 4.0 | 3.4 | 1.8 | 216-204 | 1000 |
| | | 2.08 14 | yellow | 10.0 | 14.5 | 8.0 | 4.2 | 3.6 | 2.05 | 216-205 | 1000 |
| | | 2.5 14 | blue | 10.0 | 15.0 | 8.0 | 4.8 | 4.2 | 2.3 | 216-206 | 1000 |
| | | 4.0 12 | grey | 12.0 | 16.8 | 9.5 | 5.4 | 4.8 | 2.9 | 216-207 | 1000 |
| | | 6.0 10 | yellow | 14.0 | 20.0 | 12.0 | 6.8 | 6.2 | 3.5 | 216-208 | 100 |
| 10.0 8 | red | 16.0 | 21.0 | 12.0 | 8.1 | 7.5 | 4.6 | 216-209 | 100 | | |
| 16.0 6 | blue | 23.0 | 29.0 | 18.0 | 9.6 | 8.8 | 5.8 | 216-210 | 100 | | |

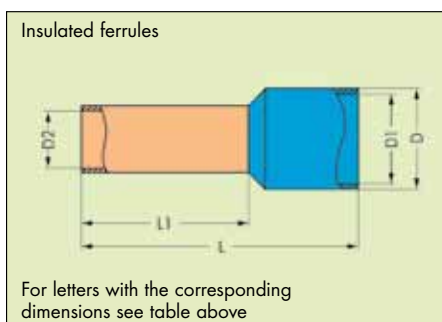
Application notes



Introduce conductor with ferrule into crimping station. Squeeze handles until ratchet mechanism is released.

- With the Variocrimp 4, the built-in crimping pressure control automatically adjusts the crimping force to the conductor cross section used. With the Variocrimp 16 it is necessary to select the wire gauge on the tool before crimping.
- Each tool has only one crimping station for all wire sizes handled.
- Uniform compact crimping from all four sides for high conductor retention.
- No necessity to centralize the conductor into the terminal ferrule.
- Conductor and ferrule insertion possible from both sides (for left and right handers).
- Built-in ratchet to guarantee complete crimping every time.
- Tools open automatically after crimping operation is complete.
- Comfortable handles for operator.

| Insulated ferrules, extra long, for TOBJOB®S and 862 Series terminal blocks | | | | | | | | | | | |
|---|----|--------|------|------|------|-----|-----|-----|---------|------|--|
| 0.5 | 22 | white | 12.0 | 16.0 | 10.0 | 3.1 | 2.6 | 1.0 | 216-241 | 1000 | |
| 0.75 | 20 | grey | 12.0 | 16.0 | 10.0 | 3.3 | 2.8 | 1.2 | 216-242 | 1000 | |
| 0.75 | 20 | grey | 14.0 | 18.0 | 12.0 | 3.3 | 2.8 | 1.2 | 216-262 | 1000 | |
| 1.0 | 18 | red | 12.0 | 16.0 | 10.0 | 3.5 | 3.0 | 1.4 | 216-243 | 1000 | |
| 1.0 | 18 | red | 14.0 | 18.0 | 12.0 | 3.5 | 3.0 | 1.4 | 216-263 | 1000 | |
| 1.5 | 16 | black | 12.0 | 16.0 | 10.0 | 4.0 | 3.5 | 1.7 | 216-244 | 1000 | |
| 1.5 | 16 | black | 14.0 | 18.0 | 12.0 | 4.0 | 3.5 | 1.7 | 216-264 | 1000 | |
| 1.5 | 16 | black | 20.0 | 24.0 | 18.0 | 4.0 | 3.5 | 1.7 | 216-284 | 1000 | |
| 2.5 | 14 | blue | 12.0 | 17.0 | 10.0 | 4.7 | 4.2 | 2.2 | 216-246 | 1000 | |
| 2.5 | 14 | blue | 14.0 | 19.0 | 12.0 | 4.7 | 4.2 | 2.2 | 216-266 | 1000 | |
| 2.5 | 14 | blue | 20.0 | 25.0 | 18.0 | 4.7 | 4.2 | 2.2 | 216-286 | 1000 | |
| 4.0 | 12 | grey | 14.0 | 20.0 | 12.0 | 5.4 | 4.8 | 2.8 | 216-267 | 500 | |
| 4.0 | 12 | grey | 20.0 | 26.0 | 18.0 | 5.4 | 4.8 | 2.8 | 216-287 | 500 | |
| 6.0 | 10 | yellow | 14.0 | 20.0 | 12.0 | 6.9 | 6.3 | 3.5 | 216-208 | 500 | |
| 6.0 | 10 | yellow | 20.0 | 26.0 | 18.0 | 6.9 | 6.3 | 3.5 | 216-288 | 500 | |
| 10.0 | 8 | red | 20.0 | 28.0 | 18.0 | 8.4 | 7.6 | 4.5 | 216-289 | 500 | |
| 16.0 | 6 | blue | 23.0 | 28.0 | 18.0 | 9.6 | 8.8 | 5.8 | 216-210 | 500 | |

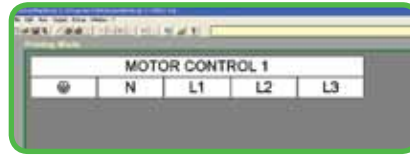


TTP-345 Thermal Transfer Printer



Thermal Transfer Printer

+



ProServe Software
 • Unique multi-line marking

=



Marked 862 Series

| Item No. | Item No. | Item No. |
|---|-------------------------------------|----------------------|
| Thermal Transfer Printer 258-345/0000-0100 | Marker strips | Ink ribbon |
| Print resolution 300 dpi | For series 862, 7.5 mm, white | 38 mm 258-145 300 m |
| Print speed up to 76 mm/sec. | 709-178 50 m | 100 mm 258-157 300 m |
| Software: ProServe Software; smartMARKING | | |
| Download at www.wago.us | For series 862, 7.5 mm, translucent | |
| Consult Factory | 709-177 50 m | |

Wire Marking with TTP-345



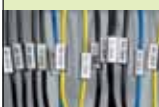
211-155; 211-156



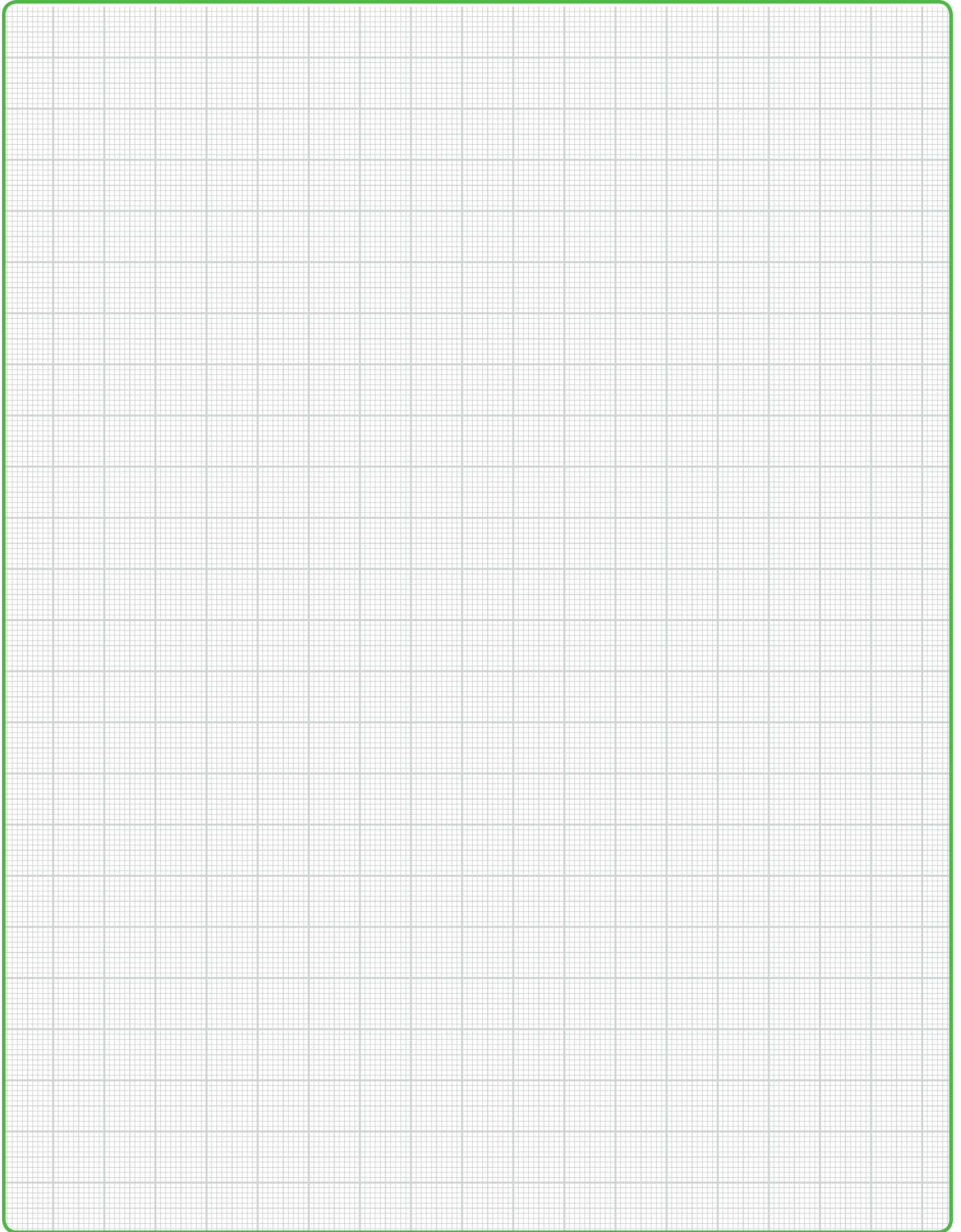
211-111...115; 211-121...125;
 211-129 (shown)



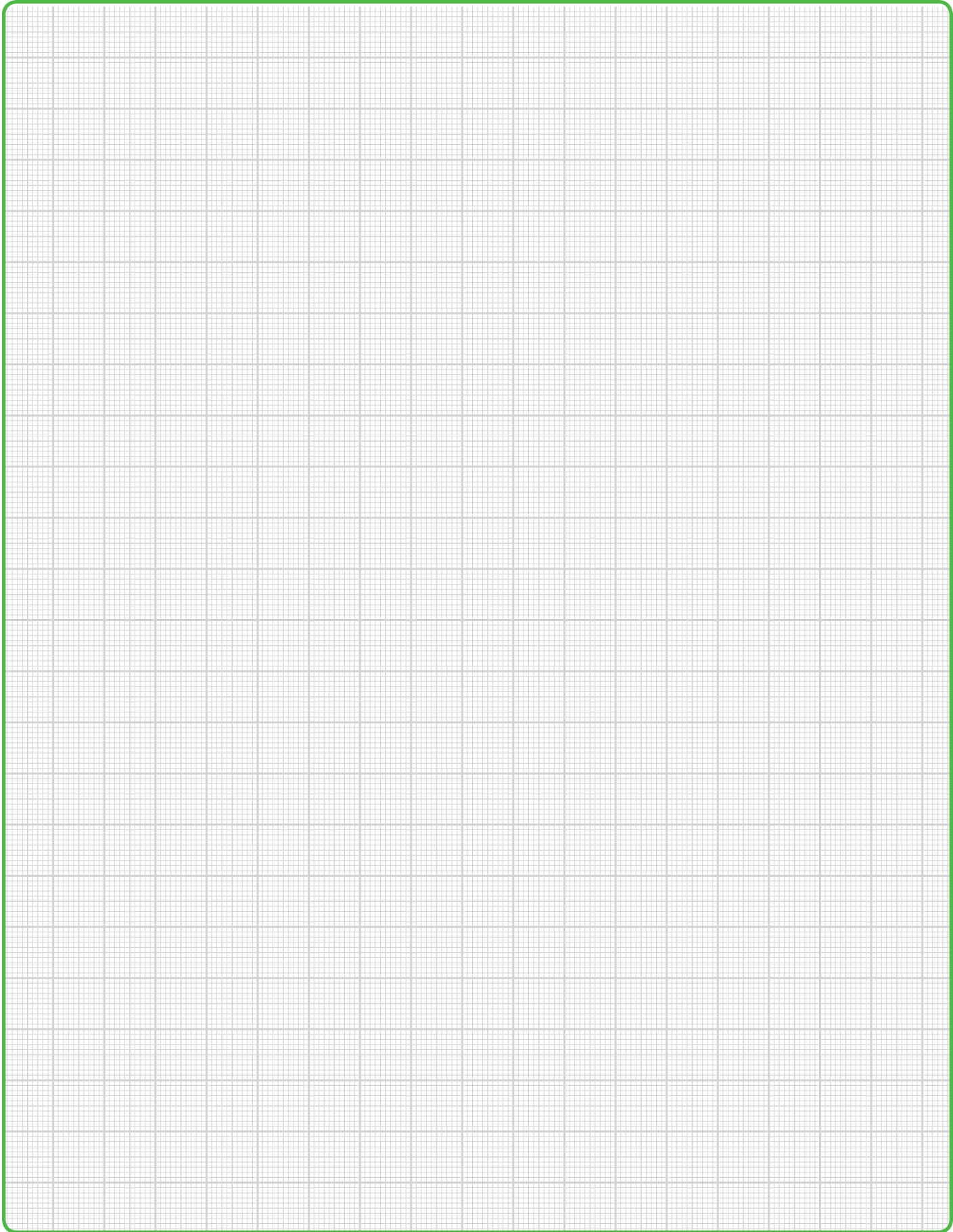
211-161; 211-162

| Item No. | Item No. | Item No. |
|--|---|---|
| Marker card for TT printer, 12 mm 211-111 | Labels on roll for thermal transfer printers | 3 to 1 pre-flattened polyolefin heat shrink tubing, 100 ft |
| Slides into marking sleeves below | Marker surface "S" = 8 mm, "B" = 18 mm, | 1/8" (18 - 24 AWG), diam. before/after shrinking .125/.039 in |
| For various wire sizes | "L" = 35 mm for cable diameter max. 9 mm | white 51223870 |
| 1.6-3.2 mm or 0.25 mm ² -1.5 mm ² 211-112 | 9000 labels per roll 211-155 | yellow 51227742 |
| 2.2-4.5 mm or 0.5 mm ² -4 mm ² 211-113 | | |
| 3.7-5.9 mm or 2.5 mm ² -6 mm ² 211-114 | Marker surface "S" = 13 mm, "B" = 23 mm, | 3/16" (12-18 AWG), diam. before/after shrinking .187/.059 in |
| 4.8-7.5 mm or 6 mm ² -16 mm ² 211-115 | "L" = 51 mm for cable diameter max. 12 mm | white 51223870 |
| | 5000 labels per roll 211-156 | yellow 51227743 |
| Marker card for TT printer, 23 mm 211-121 | Core marker for threading | 1/4" (6 - 10 AWG), diam. before/after shrinking .250/.083 in |
| Slides into marking sleeves below | on roll, 2,000 pcs, | white 51223870 |
| For various wire sizes | white / 0.75 - 1.5 mm 211-161 | yellow 51227744 |
| 1.6-3.2 mm or 0.25 mm ² -1.5 mm ² 211-122 | on roll, 2,000 pcs, | |
| 2.2-4.5 mm or 0.5 mm ² -4 mm ² 211-123 | white / 2.5 - 6.0 mm 211-162 | |
| 3.7-5.9 mm or 2.5 mm ² -6 mm ² 211-124 | | |
| 4.8-7.5 mm or 6 mm ² -16 mm ² 211-125 | | |
| Marking sleeve for cable tie, 23 mm, | | |
| for single cores from 10 mm 211-129 | | |
| Cable tie, (2.5 x 100) mm | | |
| 807-0090/0101-0100 | | |
|  211-121 with marking sleeve | | |

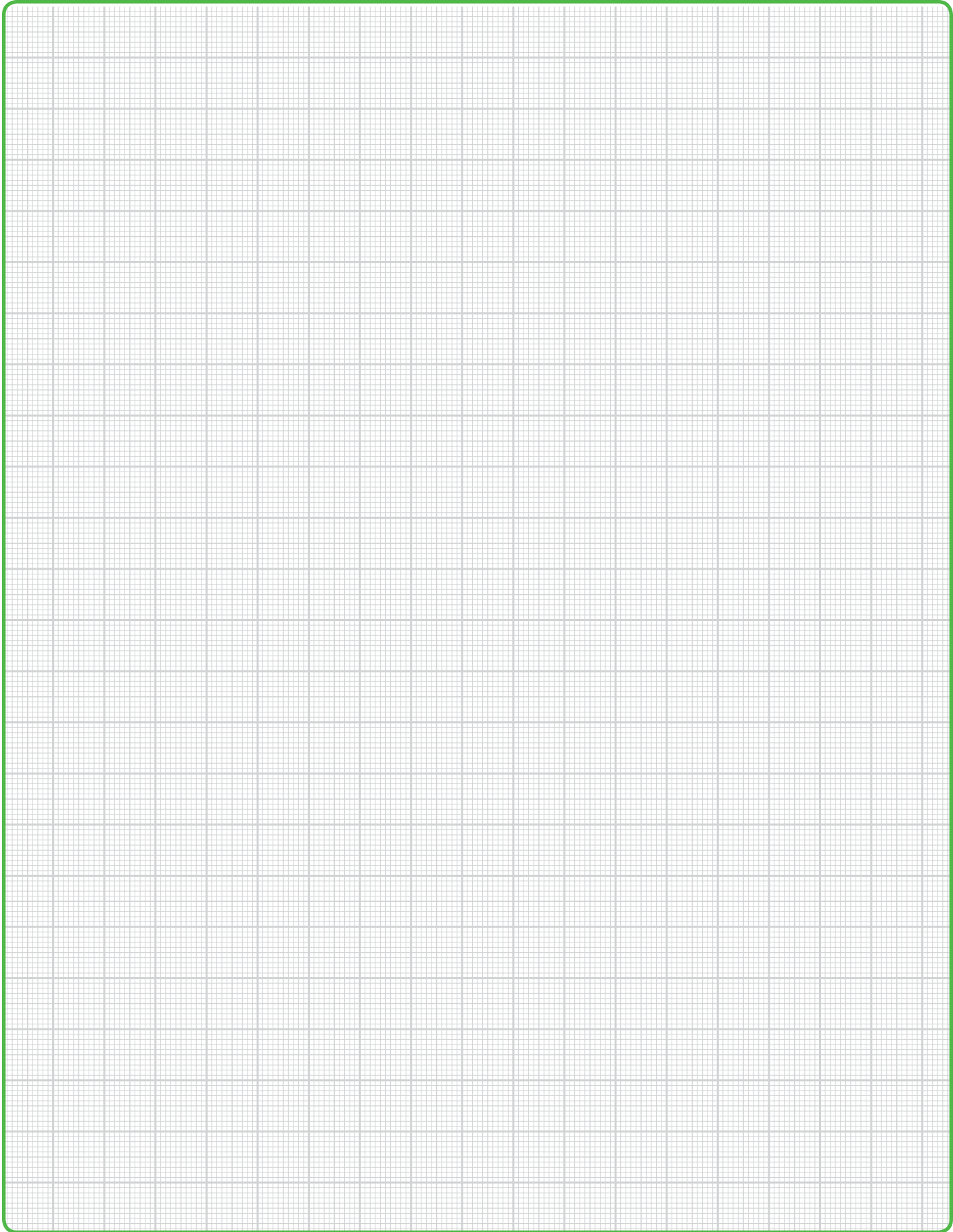
Notes



Notes



Notes



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