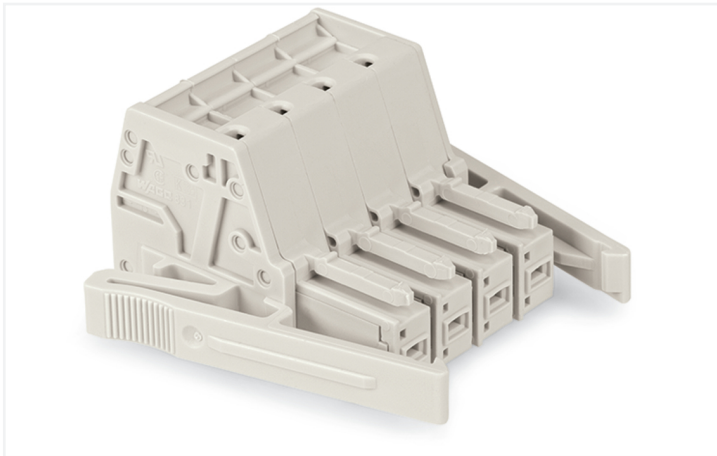


## Data Sheet | Item Number: 831-3109/037-000

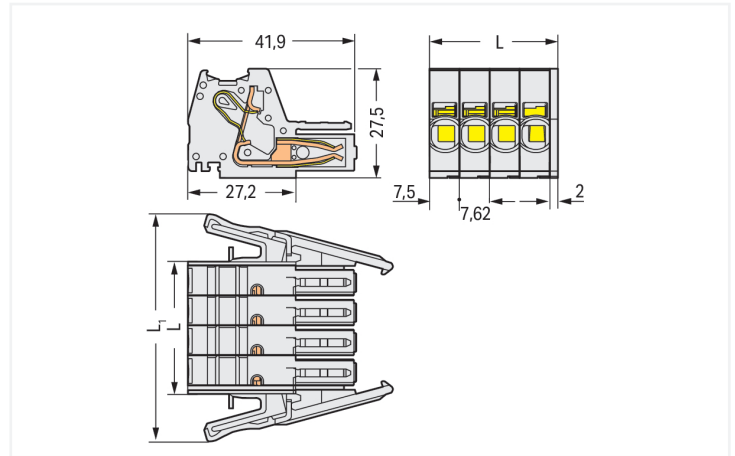
1-conductor female connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 9-pole; 100% protected against mismating; Lateral locking levers; 10,00 mm²; light gray

<https://www.wago.com/831-3109/037-000>



Color: ■ light gray

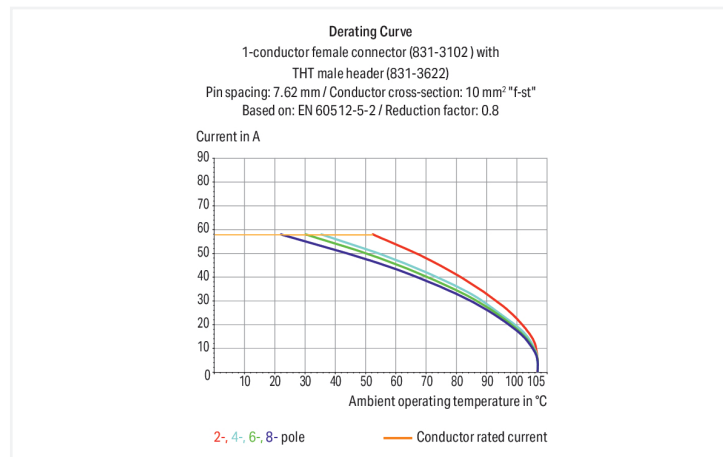
Similar to illustration



Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 10.5 \text{ mm}$

$L1 = L + 23.7 \text{ mm}$



### Federleiste/Buchse Serie 831 mit Betätigungswerkzeug

Bei dieser Federleiste/Buchse (Artikelnummer 831-3109/037-000) ist eine saubere Elektroinstallation der Fokus. Mit unseren Leiterplatten-Steckverbindern erhalten Sie ein universelles Steckverbindersystem, das vielseitig eingesetzt werden kann: als Leiterplatten-Steckverbinder, als Durchführungssteckverbinder, als fliegende Steckverbindung für verschiedene Montagearten oder als Steckverbinder auf Reihenklemmen. Für den Leiteranschluss werden bei dieser Federleiste/Buchse Absolierlängen von 13 bis 15 mm benötigt. Dieses Produkt basiert auf der Push-in CAGE CLAMP®-Technologie. Die Push-in CAGE CLAMP® Anschlusstechnik ist der Universalanschluss für alle Leiterarten mit dem Zusatznutzen des direkten Steckens. Starre Leiter sowie feindrähtige Leiter mit Aderendhülse können ohne Werkzeug direkt in die Klemmstelle gesteckt werden. Die Abmessungen sind in Breite x Höhe x Tiefe (95,26 x 27,6 x 42,5) mm. In Abhängigkeit von der Leiterart ist die Federleiste/Buchse gemacht für Leiterquerschnitte von 0,5 mm² bis 10 mm². Für die Kontaktoberfläche wurde Zinn verwendet. Für diese Federleiste/Buchse erfolgt die Betätigung per Betätigungswerkzeug. Das MCS – "Multi Connection System" von WAGO ist ein vielfältiges Steckverbindersystem für Ihre durchgängige Systemverdrahtung. Es ermöglicht Ihnen eine vereinfachte Verdrahtung in der Kabelvorkonfektionierung und auf Geräten durch zwei Betätigungsrichtungen für die CAGE CLAMP®-Varianten.



| Notes              |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Information | The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated. |
| Variants:          | Other pole numbers<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                                                                                                                                                      |

| Electrical data      |  |                |        |        |
|----------------------|--|----------------|--------|--------|
| Ratings per          |  | IEC/EN 60664-1 |        |        |
| Overvoltage category |  | III            | III    | II     |
| Pollution degree     |  | 3              | 2      | 2      |
| Nominal voltage      |  | 800 V          | 1000 V | 1000 V |
| Rated surge voltage  |  | 8 kV           | 8 kV   | 8 kV   |
| Rated current        |  | 41 A           | 41 A   | 41 A   |
| Approvals per        |  | UL 1059        |        |        |
| Use group            |  | B              | C      | D      |
| Rated voltage        |  | -              | 600 V  | -      |
| Rated current        |  | -              | 42 A   | -      |
| Approvals per        |  | CSA            |        |        |
| Use group            |  | B              | C      | D      |
| Rated voltage        |  | -              | 600 V  | -      |
| Rated current        |  | -              | 41 A   | -      |

| Connection data                                   |                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
|---------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|----------------|----------------|-----------------------|---------------------------------------|-----------------|-------------------------------|-------------------------|-------------------------------|-------------------------------------------------|---------------|---------------------------------------------------|---------------|--------------|-------------------------------------|-------------|---|-----------------------------------------------|----|
| Clamping units                                    | 9                                     | <div>Connection 1</div> <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Actuation direction 1</td><td>Operation parallel to conductor entry</td></tr><tr><td>Solid conductor</td><td>0.5 ... 10 mm² / 20 ... 8 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 10 mm² / 20 ... 8 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.5 ... 6 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.5 ... 6 mm²</td></tr><tr><td>Strip length</td><td>13 ... 15 mm / 0.51 ... 0.59 inches</td></tr><tr><td>Pole number</td><td>9</td></tr><tr><td>Conductor entry direction to mating direction</td><td>0°</td></tr></table> | Connection technology | Push-in CAGE CLAMP® | Actuation type | Operating tool | Actuation direction 1 | Operation parallel to conductor entry | Solid conductor | 0.5 ... 10 mm² / 20 ... 8 AWG | Fine-stranded conductor | 0.5 ... 10 mm² / 20 ... 8 AWG | Fine-stranded conductor; with insulated ferrule | 0.5 ... 6 mm² | Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 6 mm² | Strip length | 13 ... 15 mm / 0.51 ... 0.59 inches | Pole number | 9 | Conductor entry direction to mating direction | 0° |
| Connection technology                             | Push-in CAGE CLAMP®                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Actuation type                                    | Operating tool                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Actuation direction 1                             | Operation parallel to conductor entry |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Solid conductor                                   | 0.5 ... 10 mm² / 20 ... 8 AWG         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Fine-stranded conductor                           | 0.5 ... 10 mm² / 20 ... 8 AWG         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Fine-stranded conductor; with insulated ferrule   | 0.5 ... 6 mm²                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 ... 6 mm²                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Strip length                                      | 13 ... 15 mm / 0.51 ... 0.59 inches   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Pole number                                       | 9                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Conductor entry direction to mating direction     | 0°                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Total number of potentials                        | 9                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Number of connection types                        | 1                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |
| Number of levels                                  | 1                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |                     |                |                |                       |                                       |                 |                               |                         |                               |                                                 |               |                                                   |               |              |                                     |             |   |                                               |    |

| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 7.62 mm / 0.3 inches   |
| Width         | 95.26 mm / 3.75 inches |
| Height        | 27.6 mm / 1.087 inches |
| Depth         | 42.5 mm / 1.673 inches |



| Mechanical data          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

| Plug-in connection                 |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for conductor           |
| Mismating protection               | Yes                     |
| Locking of plug-in connection      | Locking lever           |

| Material data                                        |                                                                          |
|------------------------------------------------------|--------------------------------------------------------------------------|
| Note (material data)                                 | <a href="#">Information on material specifications can be found here</a> |
| Color                                                | light gray                                                               |
| Material group                                       | I                                                                        |
| Insulation material (main housing)                   | Polyamide (PA66)                                                         |
| Flammability class per UL94                          | V0                                                                       |
| Clamping spring material                             | Chrome-nickel spring steel (CrNi)                                        |
| Material of the additional spring for socket contact | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                                     | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                                      | Tin                                                                      |
| Fire load                                            | 1.044 MJ                                                                 |
| Weight                                               | 69.5 g                                                                   |

| Environmental requirements |                 |
|----------------------------|-----------------|
| Limit temperature range    | -60 ... +105 °C |
| Processing temperature     | -35 ... +60 °C  |

| Commercial data       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-14-11-06   |
| eCl@ss 9.0            | 27-14-11-06   |
| ETIM 9.0              | EC001284      |
| ETIM 8.0              | EC001284      |
| PU (SPU)              | 12 pcs        |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4050821614241 |
| Customs tariff number | 85366990990   |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |



Approvals / Certificates

General approvals



| Approval                              | Standard  | Certificate Name |
|---------------------------------------|-----------|------------------|
| CB<br>DEKRA Certification B.V.        | IEC 61984 | NL-61360/M1      |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984  | 71-116057        |
| UR<br>Underwriters Laboratories Inc.  | UL 1059   | E45172           |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product  
Compliance  
831-3109/037-000



Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB



CAD/CAE-Data

CAD data

2D/3D Models  
831-3109/037-000



CAE data

ZUKEN Portal  
831-3109/037-000



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 831-3209

1-conductor male connector; Push-in CA-GE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 9-pole; 100% protected against mis-mating; 10,00 mm²; light gray



Item No.: 831-3629

THT male header; 1.0 x 1.2 mm solder pin; angled; 100% protected against mis-mating; Pin spacing 7.62 mm; 9-pole; light gray



Item No.: 831-3649

THT male header; 1.0 x 1.2 mm solder pin; angled; 100% protected against mis-mating; Pin spacing 7.62 mm; 9-pole; light gray



Item No.: 831-3609

THT male header; 1.0 x 1.2 mm solder pin; straight; 100% protected against mis-mating; Pin spacing 7.62 mm; 9-pole; light gray



1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



|                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                     |                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Item No.: 216-284</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p> | <p><b>Item No.: 216-286</b><br/>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p> | <p><b>Item No.: 216-287</b><br/>Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | <p><b>Item No.: 216-288</b><br/>Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1.2.2 Marking

1.2.2.1 Marker



|                                                                                                                                                                   |                                                                                                                                                                 |                                                                                                                                                                   |                                                                                                                                                                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Item No.: 2009-145/000-006</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>           | <p><b>Item No.: 2009-145/000-007</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p>         | <p><b>Item No.: 2009-145/000-023</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>          | <p><b>Item No.: 2009-145/000-012</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p>              |
| <p><b>Item No.: 2009-145/000-005</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red</p>            | <p><b>Item No.: 2009-145/000-024</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p>       | <p><b>Item No.: 2009-145</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>                  | <p><b>Item No.: 2009-145/000-002</b><br/>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p>              |
| <p><b>Item No.: 248-501/000-006</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue</p>                                            | <p><b>Item No.: 248-501/000-007</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray</p>                                          | <p><b>Item No.: 248-501/000-023</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green</p>                                           | <p><b>Item No.: 248-501/000-017</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green</p>                                          |
| <p><b>Item No.: 248-501/000-012</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange</p>                                          | <p><b>Item No.: 248-501/000-005</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red</p>                                           | <p><b>Item No.: 248-501</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>                                                   | <p><b>Item No.: 248-501/000-002</b><br/>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow</p>                                               |
| <p><b>Item No.: 793-5501/000-006</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue</p>   | <p><b>Item No.: 793-5501/000-007</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray</p> | <p><b>Item No.: 793-5501/000-023</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>  | <p><b>Item No.: 793-5501/000-017</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green</p> |
| <p><b>Item No.: 793-5501/000-012</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange</p> | <p><b>Item No.: 793-5501/000-005</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red</p>  | <p><b>Item No.: 793-5501/000-024</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p> | <p><b>Item No.: 793-5501</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>               |
| <p><b>Item No.: 793-5501/000-002</b><br/>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow</p> | <p><b>Item No.: 793-501/000-006</b><br/>WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>                                               | <p><b>Item No.: 793-501/000-007</b><br/>WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>                                                 | <p><b>Item No.: 793-501/000-023</b><br/>WMB marking card; as card; not stretchable; plain; snap-on type; green</p>                                                     |
| <p><b>Item No.: 793-501/000-017</b><br/>WMB marking card; as card; not stretchable; plain; snap-on type; light green</p>                                          | <p><b>Item No.: 793-501/000-012</b><br/>WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>                                             | <p><b>Item No.: 793-501/000-005</b><br/>WMB marking card; as card; not stretchable; plain; snap-on type; red</p>                                                  | <p><b>Item No.: 793-501/000-024</b><br/>WMB marking card; as card; not stretchable; plain; snap-on type; violet</p>                                                    |



1.2.2.1 Marker



**Item No.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 793-501/000-002**  
WMB marking card; as card; not stretchable; plain; snap-on type; yellow



**Item No.: 2009-115/000-006**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



**Item No.: 2009-115/000-007**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



**Item No.: 2009-115/000-023**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



**Item No.: 2009-115/000-017**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green



**Item No.: 2009-115/000-012**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



**Item No.: 2009-115/000-024**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



**Item No.: 2009-115**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.: 2009-115/000-002**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

1.2.2.2 Marking strip



**Item No.: 2009-110/762-802**  
Marking strips; for Smart Printer; cut to a defined length; MARKED; Specialty printing; not stretchable; Horizontal marking; snap-on type; white



**Item No.: 2009-110/762-803**  
Marking strips; for Smart Printer; cut to a defined length; MARKED; Specialty printing; not stretchable; Horizontal marking; snap-on type; white



**Item No.: 2009-110/762-804**  
Marking strips; for Smart Printer; cut to a defined length; MARKED; Specialty printing; not stretchable; Horizontal marking; snap-on type; white



**Item No.: 2009-110/762-805**  
Marking strips; for Smart Printer; cut to a defined length; MARKED; Specialty printing; not stretchable; Horizontal marking; snap-on type; white



**Item No.: 2009-110/762-806**  
Marking strips; for Smart Printer; cut to a defined length; MARKED; Specialty printing; not stretchable; Horizontal marking; snap-on type; white



**Item No.: 2009-110/762-807**  
Marking strips; for Smart Printer; cut to a defined length; MARKED; Specialty printing; not stretchable; Horizontal marking; snap-on type; white



**Item No.: 2009-110/762-808**  
Marking strips; for Smart Printer; cut to a defined length; MARKED; Specialty printing; not stretchable; Horizontal marking; snap-on type; white



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.2.3 Strain relief

1.2.3.1 Strain relief plate



**Item No.: 831-506**  
Strain relief plate; for female and male connectors; 51 mm wide; 1 part; Pin spacing 7.62 mm; light gray

1.2.4 Test and measurement

1.2.4.1 Testing accessories



**Item No.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable; red

1.2.5 Tool

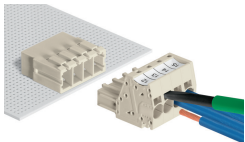
1.2.5.1 Operating tool



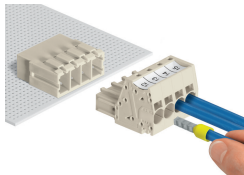
Item No.: 210-721  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination

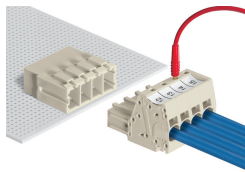


Inserting fine-stranded conductors via (5.5 x 0.8) mm screwdriver.



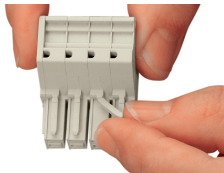
Solid and ferruled conductors are terminated by simply pushing them into unit.

Testing



Testing with 2 mm Ø test plug.

Coding



Break or cut off coding pin from female connector.

Marking



Direct marking of female and male connectors



MCS MAXI male and female connectors can also be marked via Mini-WSB or WMB markers.