221 Series *LEVER-NUTS*®
The Next Generation of Compact Splicing Connectors
Setting new standards in electrical installation, the 221 Series LEVER-NUTS® splicing connector is now smaller, more user-friendly and made for larger conductors.

- Connect any combination of solid, stranded and flexible copper wires faster and more reliably
- Equipped with two test slots: one on the front and one on the back for maximum convenience
- Visually inspect for proper strip length and complete wire insertion through its transparent housing
- Operate comfortably with lower operating forces by using familiar orange levers

- Nominal current: 20 A (30 A 10 AWG)
- Rated voltage: 600 V (1000 V signs & fixtures)
- Operating temperature: 105 °C
- cULus LISTED splicing wire connector file #E69654
221 Series for 12 AWG

- Same design and handling as the original 221, but for larger conductors (10 AWG) and greater current capacity (30 A)
- Universal connection technology for ALL copper conductor types sized 20 – 10 AWG
- Proven and familiar lever technology

221 Series for 10 AWG

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MOUNTING ACCESSORIES

Expand installation flexibility by coupling the easy-to-use 221 Series LEVER-NUTS® with these mounting accessories. The mounting carrier converts the compact splicing connector into a DIN rail or chassis mount terminal block solution.

- Mounting flexibility: horizontal or vertical, snap to DIN rail or screw mount to flat panel
- Open face design: allows access for wiring and testing even after the connector is mounted into the carrier
- Easy wire management: multiple cable tie locations; two marking surfaces; built-in spacing fingers for visual separation of potentials

### Accessories for 12 AWG Family

<table>
<thead>
<tr>
<th>Mounting carrier (DIN rail and panel mount), for 2-, 3- and 5-conductor compact splicing connectors</th>
<th>Strain relief plate, for snap-on fixing to 221-500 or 221-510 mounting carrier</th>
<th>Angled DIN rail adapter, in combination with 221-500 or 221-510 mounting carrier for DIN rail mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Mounting carrier" /></td>
<td><img src="image2" alt="Strain relief plate" /></td>
<td><img src="image3" alt="Angled DIN rail adapter" /></td>
</tr>
<tr>
<td>Item No.</td>
<td>Pack-Unit pcs</td>
<td>Item No.</td>
</tr>
<tr>
<td>221-500</td>
<td>1=box of 10</td>
<td>222-505</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mounting carrier (Panel mount), for single 2-conductor connector</th>
<th>Mounting carrier (Panel mount), for single 3-conductor connector</th>
<th>Mounting carrier (Panel mount), for single 5-conductor connector</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="Mounting carriers" /></td>
<td><img src="image5" alt="Mounting carriers" /></td>
<td><img src="image6" alt="Mounting carriers" /></td>
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<tr>
<td>Item No.</td>
<td>Pack-Unit pcs</td>
<td>Item No.</td>
</tr>
<tr>
<td>221-502</td>
<td>1=box of 10</td>
<td>221-503</td>
</tr>
</tbody>
</table>

### Accessories for 10 AWG Family

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<thead>
<tr>
<th>Mounting carrier (DIN rail and panel mount), for 2-, 3- and 5-conductor 10 AWG splicing connectors</th>
<th>Strain relief plate, for snap-on fixing to 221-500 or 221-510 mounting carrier</th>
<th>Angled DIN rail adapter, in combination with 221-500 or 221-510 mounting carrier for DIN rail mounting</th>
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<tr>
<td>221-510</td>
<td>1=box of 10</td>
<td>222-505</td>
</tr>
</tbody>
</table>

Operating Tool, for opening 221 Series levers

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Pack-Unit pcs</th>
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</thead>
<tbody>
<tr>
<td>210-102 (12 AWG)</td>
<td>1</td>
</tr>
<tr>
<td>210-104 (10 AWG)</td>
<td>1</td>
</tr>
</tbody>
</table>
HANDLING & MOUNTING

Handling:

- Insert connectors into the mounting carrier
- Access to levers when mounted; wiring possible before and/or after inserting connectors into the carrier
- Removing connector from the mounting carrier
- Mounting of strain relief plate (222-505) to the mounting carrier
- Snapping the angled DIN rail adapter on the mounting carrier
- Testing connectors via their front test slots, which remain accessible when mounted
- Insert connector into the single mounting carrier
- Inserting a conductor into the single mounting carrier
- Removing a conductor from the single mounting carrier

Mounting Options:

- Vertical mounting on DIN rail with wire ties providing strain relief
- Vertical mounting with strain relief plate on DIN rail; wiring locations identified by marker strips
- Horizontal mounting on DIN rail using angled DIN rail adapter
- Horizontal mounting with strain relief plate on flat panel; wiring locations identified using marker strips
- Horizontal screw mounting
- Vertical screw mounting
- Example: connecting a light using two single mounting carriers

Access to levers when mounted; wiring possible before and/or after inserting connectors into the carrier.
221 SERIES LEVER-NUTS®
For Hazardous Locations

221 Series LEVER-NUTS® for Hazardous Locations:

- Easy, fast and reliable connection technology in Ex areas
- Excellent for junction boxes in haz-loc applications
- Approvals:
  - Ex Zone 1, 2
  - Class 1, Zone 1
  - AEx Class 1, Zone 1

WWW.WAGO.COM/221/US

• Nominal current: 20 A
• 440 V with spacing between adjacent connectors in hazardous locations
• 275 V without spacing in hazardous locations
• 600 V general industry: cURus recognized file #E185892
• Operating temperature: 105 °C

24 - 12 AWG
440 V / 20 A
(275 V without spacing)

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<tr>
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<tbody>
<tr>
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<td>221-483</td>
<td>1=box of 50</td>
<td>221-485</td>
<td>1=box of 25</td>
</tr>
</tbody>
</table>
Handling & Mounting

- Must be used with mounting carrier to fulfill Ex requirements
- Mounting carrier can be DIN rail mounted or can be screwed down to a smooth surface

### Easy Operation:

![Easy Operation](image)

- Easily open lever by hand and insert conductor
- Install connectors into the mounting carrier
- Secure the carrier using screws on smooth surfaces
- Test inserted connectors in the carrier
- Push lever back down
- Remove connectors - without tools
- Rated 440 V with spacing between the adjacent connectors
- Rated 275 V with no spacing between connectors

#### Mounting carrier (DIN rail and panel mount), for 2-, 3- and 5-conductor hazardous location splicing connectors

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<td>221-501</td>
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![Mounting carrier](image)