Conductor bar systems for Intralogistics

- High reliability
- Suitable for harsh environments
- Low Total Cost of Ownership (TCO)

- Very low maintenance costs
- Extremely long carbon brush life
- Wheel guided collector trolley for optimal contact
- Continuous copper conductors from 50A up to 400A
- Also very suitable for cold stores and aisle changing cranes

65 Years Market Leader!
Pro-Ductor® conductor bar systems

- Dependable conductor bar systems for intralogistics - warehouse automation
- Power feed and control for applications like
  - Automated Storage and Retrieval Systems (AS/RS)
  - Conveyor systems
  - Stacker cranes

PR 4 Series

General specifications
- PVC housing with 4 copper channels
- Temperature range: -30 °C up to +60 °C
- Continuous copper conductors
- Current capacity 50A up to 200A
- Support distance up to 3300 mm (with support profile)
- Ideal for optional positioning system

Collector trolleys PCT4
- Wheel guided collector trolley
- Travel speed up to 500 m/min.
- Perfect signal transmission
- Very low maintenance costs
- Suitable for curves, switches en transfers

Positioning Tool for PCT4 and PCT7
- Easy and secure aligning of the collector trolley

PR 7 Series

General specifications
- PVC housing with 7 copper channels
- Temperature range: -30 °C up to +60 °C
- Continuous copper conductors
- Current capacity 50A up to 400A
- Support distance up to 3300 mm (with support profile)
- Ideal for optional positioning system

Collector trolleys PCT7
- Wheel guided collector trolley
- Travel speed up to 500 m/min.
- Perfect signal transmission
- Very low maintenance costs
- Suitable for curves, switches en transfers

Mark template for PR4 and PR7 housing
- Precise marking of the housing after cutting
- Simply adapt your cutted lengths (on site)

PR4 - Art.no. 2060470 (set 2 pcs)  PR7 - Art.no. 2060480 (set 2 pcs)
PR4 - Art.no. 2080450  PR7 - Art.no. 2080460
Benefits and features

- Most reliable conductor bar systems, with low Total Cost of Ownership (TCO)
- Uninterrupted copper conductors, low maintenance costs and extremely long carbon brush life
- Unique wheel guided collector trolleys, for optimal contact and speeds up to 500 m/min.
- Ideally suited and proven reliable for both control and data signal transmission
- Field service support for installation and maintenance

PR 10 Series

Positioning with barcode

Making positioning easy and accurate!
A metal U-profile, provided with barcode tape, is mounted at the bottom or on top of the support profile.
A reader fitted on the (warehouse) crane reads the barcode while the crane moves and determines the crane position relative to the barcode tape. This information can be sent through the Pro-Ductor system to a processor for further use with additional software.

Key features:
- Applicable with all Pro-Ductor systems
- To be mounted at the bottom or top of the support profile
- Barcode tape pre-mounted on metal U-profile
- Applicable for every track length

Collector trolleys PCT10
- Wheel guided collector trolley
- Travel speed up to 500 m/min.
- Perfect signal transmission
- Very low maintenance costs
- Suitable for curves, switches en transfers

Benefits:
- Easy to install; also in existing systems
- Absolute positioning of the crane
- Reliable performance
- Accurate positioning (+/- 1mm tolerance)
- Low maintenance

Cleaner for PR4 and PR7 housing
- Easy and fast cleaning of your system

Repair unit for PR4, PR7 and PR10
- Practical insert in case of damage to the housing.
- Just replace the damaged spot for this item.

General specifications
- PVC housing with 10 copper channels
- Temperature range: -30 °C up to +60 °C
- Continuous copper conductors
- Current capacity 50A up to 400A
- Support distance up to 3300 mm with support profile
- Ideal for optional positioning system
### Overview Conductor systems and Spring cable reels

#### Industrial Conductor bar systems

**Multipole systems**

<table>
<thead>
<tr>
<th>Continuous and interrupted conductors</th>
<th>Multi conductor</th>
<th>4-Ductor</th>
<th>Click-Ductor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard length housing:</strong></td>
<td>4000 mm</td>
<td>4000 mm</td>
<td>3000 mm / 4000 mm</td>
</tr>
<tr>
<td><strong>Number of poles max.:</strong></td>
<td>7 (continuous conductors)</td>
<td>4 (continuous conductors)</td>
<td>7 (interrupted conductors)</td>
</tr>
<tr>
<td><strong>Current capacity parallel (80% D.C.):</strong></td>
<td>250-320A</td>
<td>250-320A</td>
<td>220-250-320-400A (*)</td>
</tr>
<tr>
<td><strong>Nom. voltage max.:</strong></td>
<td>690V (CE/CCC) / 600V (UL)</td>
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</tr>
<tr>
<td><strong>Travel speed max.:</strong></td>
<td>500 m/min</td>
<td>60 m/min</td>
<td>250 m/min</td>
</tr>
<tr>
<td><strong>Ambient temperature:</strong></td>
<td>-30 up to +60 °C (Vicat -20 up to +80 °C)</td>
<td>-30 up to +60 °C</td>
<td>-20 up to +50 °C</td>
</tr>
</tbody>
</table>

#### Intra Logistics Conductor bar systems

**Multipole systems**

<table>
<thead>
<tr>
<th>Continuous conductors</th>
<th>Pro-Ductor PR4</th>
<th>Pro-Ductor PR7</th>
<th>Pro-Ductor PR10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard length housing:</strong></td>
<td>4000 mm</td>
<td>4000 mm</td>
<td>4000 mm</td>
</tr>
<tr>
<td><strong>Number of poles max.:</strong></td>
<td>4</td>
<td>7</td>
<td>10</td>
</tr>
<tr>
<td><strong>Current capacity (80% D.C.):</strong></td>
<td>50-80-125-160-200A</td>
<td>50-80-125-160-200A</td>
<td>50-80-125-160-200-250-320-400A</td>
</tr>
<tr>
<td><strong>Current capacity parallel (80% D.C.):</strong></td>
<td>250-320-400A</td>
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<td><strong>Nom. voltage max.:</strong></td>
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<tr>
<td><strong>Travel speed max.:</strong></td>
<td>500 m/min</td>
<td>500 m/min</td>
<td>500 m/min</td>
</tr>
<tr>
<td><strong>Ambient temperature:</strong></td>
<td>-30 up to +60 °C</td>
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</tr>
</tbody>
</table>

#### Spring cable reels

**Series AV**

<table>
<thead>
<tr>
<th>Numerous options</th>
<th>AV19</th>
<th>AV28</th>
<th>AV50</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>with or without cable</strong></td>
<td>30 m</td>
<td>84 m</td>
<td>115 m</td>
</tr>
<tr>
<td><strong>Number of poles max.:</strong></td>
<td>52 (mA-10A) / 8 (50A)</td>
<td>52 (mA-10A) / 8 (50A)</td>
<td>52 (mA-10A) / 8 (200A)</td>
</tr>
<tr>
<td><strong>Current capacity range:</strong></td>
<td>4 mA - 50 A</td>
<td>4 mA - 50 A</td>
<td>4 mA - 200 A</td>
</tr>
<tr>
<td><strong>Min. / max. voltage max.:</strong></td>
<td>24V - 415V</td>
<td>24V - 500V</td>
<td>24V - 660V</td>
</tr>
<tr>
<td><strong>Travel speed max.:</strong></td>
<td>60 m/min</td>
<td>60 m/min</td>
<td>60 m/min</td>
</tr>
<tr>
<td><strong>Material:</strong></td>
<td>galvanised steel, stainless steel, polyester coated steel</td>
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<td>galvanised steel, stainless steel, polyester coated steel</td>
</tr>
</tbody>
</table>

#### Field Service

The high-quality Akapp-Stemmann conductor systems are used worldwide in numerous industrial sectors, often under extreme conditions. Our power supply systems are designed to ensure continuity in the electrical supply and control of devices such as cranes, hoists and concrete furniture under demanding conditions. However, a perfectly functioning system is not possible without (periodic) maintenance. We are happy to take care of this for you!

If you want to know more about the advantages of (periodic) maintenance of your busbar systems or all other possibilities that our service department has for you, please contact us.