


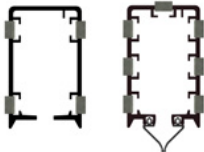


Date: .....  
 Company: .....  
 Address: .....  
 Postal code: .....  
 City / Country: .....

Mr. / Mrs.: .....  
 Phone: .....  
 E-Mail: .....

To be able to configure a suitable conductor bar system, please complete this questionnaire as accurately as possible.

*Closed conductor bar systems in the Akapp-Stemmann portfolio;*

Series	4-Ductor	Multiconductor	PowerPOZ	Click-Ductor
Type	RN4 (continuous copper conductors)	RN7 (continuous copper conductors)	RN52W (continuous copper conductors + positioning)	RC4 / RC7 (pre-assembled conductors)
Maximum number of poles	4	7	5 (+positioning)	4 or 7
Positioning option	no	no	yes	no
Housing profile				
Your preferred system				

### 1. Type of application:

- New system
- Complete replacement of an existing system
- Brand/type of current system: .....
- Repair or extension/adaptation of an existing system
- Brand/type of current system: .....
- Other, to be specified: .....

### 2. Type of application/operation for the conductor bar system:

.....  
 .....

### 3. Length of the track and number of copper conductors required:

Track length: .....

Number of conductors: .....PH, PE, N, extra for Control: .....

### 4. The maximum travel speeds in the system:

On straight lines: ..... m/min.  
 In curves (if applicable): ..... m/min.  
 At funnel crossings (if applicable): ..... m/min.

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**5. Operating conditions:**

Indoors                      Outdoors                      Indoors+outdoors                      track length indoors: ..... track length outdoors: .....

Environment/atmosphere, humidity: %:.....

Dusty/polluting:

no dust/no pollution

Dusty/polluting, cause: .....

Corrosive environment:

No                      yes, cause:.....

Explosive environment:

No                      yes, cause:.....

IP44 shielding required, with AS7 rubber seal?

No                      Yes

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**6. Ambient temperatures:**

Expected temperature during assembly:..... °C

Minimum temperature during operation:..... °C

Maximum temperature during operation:..... °C

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**7. Are curves required in the track:**

No                      Yes

*If yes, please enclose drawing with dimensions, angle in degrees and radius in mm*

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**8. Are switches required in the track:**

No                      Yes

*If yes, please enclose drawing with dimensions*

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**9. Are isolating sections required in the track:**

(e.g. for maintenance work on appliances/machines)

No                      Yes

*If yes, please state exact position:.....*

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**10. Are other types of interruptions to the conductor bar track required:**

No                      Yes

*If yes, please specify, attach drawing with dimensions and which conductors are to be interrupted:*

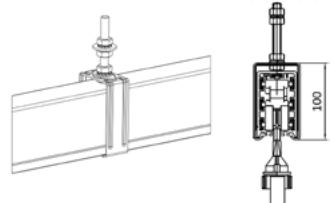
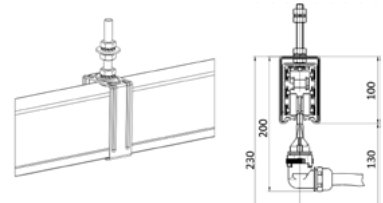
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**11. Is integrated positioning in the conductor bar housing required (PowerPOZ):**

No                      Yes

**12. Mounting type + current collector cable outlet:**

Normal, horizontal rail mounting. Standard current collector cable "floor outlet"	Normal, horizontal rail mounting, Collector cable "angled/90°C outlet"	Other mounting and/or current collection requirements. To be specified:
		

Length of the current collector connection cable

1m                      3m                      5m

Should a transition box also be included

No                      Yes

**13. Power connections, number and position:**

Number of electrical feed box(s) ..... Piece(s)

Position at the end of the route

Position at the start of the route

Anywhere on the route, preferably: at .....m from the starting point.

**14. Details of the connection cable:**

Outer diameter of the cable ..... mm (for the cable gland in the feed box)

**15. The type of machines/consumers fed:**

.....

**16. Specification of the machines/consumers:**

Machine / Crane 1							
Simultaneous total Power	A			kW			
Motors data	Power kW	Nominal current			Inrush current		Efficiency
		A	Cos phi	% DC	A	Cos phi	%
Main/Hoistmotor							
Support hoistmotor							
Roadway motor							
Transverse motor							

Machine / Crane 2							
Simultaneous total Power	A			kW			
Motors data	Power kW	Nominal current			Inrush current		Efficiency
		A	Cos phi	% DC	A	Cos phi	%
Main/Hoistmotor							
Support hoistmotor							
Roadway motor							
Transverse motor							

Machine / Crane 3							
Simultaneous total Power	A			kW			
Motors data	Power kW	Nominal current			Inrush current		Efficiency
		A	Cos phi	% DC	A	Cos phi	%
Main/Hoistmotor							
Support hoistmotor							
Roadway motor							
Transverse motor							

Machine / Crane 4							
Simultaneous total Power	A			kW			
Motors data	Power kW	Nominal current			Inrush current		Efficiency
		A	Cos phi	% DC	A	Cos phi	%
Main/Hoistmotor							
Support hoistmotor							
Roadway motor							
Transverse motor							

If several machines/consumers can be in operation simultaneously, we calculate the power contributions of these machines/consumers as follows:

Machine/consumer 1	100%
Machine/consumer 2	100%
Machine/consumer 3	70%
Machine/consumer 4	60%
Machine/consumer 5	50%
All others	50%

If this is to be calculated differently, please specify: .....

17. What is the maximum permissible voltage drop (loss) from the connection point/feed point on the conductor bar to the longest/farthest point of the conductor rail: ..... %

18. Electrical fuse value:

If already known, what is the value of the electrical fuse for the conductor rail system: .....

19. How is the conductor bar system to be mounted:

Metal beam      Height Dimension: ..... mm.  
                          Width Dimension: ..... mm.  
                          Flange thickness: ..... mm.  
                          Type of beam: .....

Round tube      Tube diameter: ..... mm.

Other construction? Please specify:

.....

.....

20. Do you also need outriggers for mounting:

No                  Yes

If yes, will the outriggers be mounted at the top or bottom of the beam, and what size do you need:

Mounting methods	Outrigger type
<p>On the top side of the beam:</p>	UH330, L=330m
	UH500, L=500mm
	UH700, L=700mm
<p>On the bottom side of the beam:</p>	UH330, L=330m
	UH500, L=500mm
	UH700, L=700mm

21. Other remarks/characteristics relevant to this application:

# If (dis)assembly work is also required:

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## 22. This application concerns the following work:

- Dismantling of an existing system
- Repair/extension of an existing system
- Installation of a new system

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## 23. The address/location where the work is to be carried out:

.....  
.....

Please also send us pictures of the locations and views of interest for the conductor bar work.

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## 24. Parking facilities:

Can our staff park close to the installation site:

- No                      Yes

Is parking free of charge or subject to a charge:

- Free of charge              Chargeable

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## 25. Do you already have a target date/schedule for carrying out the work:

- No                      Yes

*If yes, please indicate the desired date/period:*

.....

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## 26. What is the installation height for the new conductor bar system:

.....

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## 27. Is the same mounting beam present over the entire length of the track:

- No                      Yes

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## 28. You should provide the crane/consumer with its own 'take-along' device.

To what the current collector can be attached.

Please describe what the device on the crane/consumer will look like:

.....  
.....

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## 29. What environmental factors are to be expected during (dis)assembly:

- Indoor                      Outdoor,                      Combination:              Indoor + Outdoor

Ambient temperature: .....°c

Humidity: .....%

Other determining environmental factors:

.....  
.....

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**30. What is the structure of the ground/floor on site? Is it suitable for the intended work platforms needed to carry out the work safely?**

No                      Yes

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**31. Is the ground/floor beneath the proposed work area clear of obstructions along the entire length of the conductor bar route and freely available during the work?**

No                      Yes

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**32. Can the work be carried out in sequence (no interruptions), or do we have to plan phases/time windows?**

No                      Yes

*If no, please indicate how the work should be carried out/scheduled.*

.....

.....

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**33. Accessibility and regulations for the installation:**

**Is there a specific application/access process to gain access to the site.**

No                      Yes

*If yes, what does it involve?*

.....

.....

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**34. If special certificates are required for the proposed work location (e.g. for safe working near railroads, aerial platform certificates, etc.), please state this here:**

.....

.....

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**35. Is special safety instruction/training required before starting work?**

No                      Yes

*If yes, how much time will it take? Duration:*

.....

Does this instruction/training have to be repeated every day/access?

No                      Yes

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**36. In addition to the usual PPE (Personal Protective Equipment) such as: Safety shoes, safety glasses, helmet and hearing protection, is any other special PPE required?**

No                      Yes

*If yes, please specify:*

.....

.....

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**37. Are we allowed to carry out welding, soldering and grinding work?**

No                      Yes

Is there a special work permit or safety protocol for this? If yes, please specify:

.....

.....

# Terms/provisions for assembly and disassembly work

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**Our work is based on the following terms/provisions, among others.  
Please take these into account.**

A complete overview can be found in the delimitation list, which is part of our offer;

- Connecting and/or disconnecting a conductor rail system from the power grid is not part of our work. This should be carried out by the applicant's own authorized personnel and/or third parties.
- The applicant must ensure that the materials required for the work applied for are provided/stored at the installation site in the immediate vicinity of the installation work.  
This is to avoid unnecessary loss of time when starting/carrying out the work on site.
- The applicant must provide the climbing equipment required to carry out the requested work free of charge.  
Please discuss the correct/required climbing equipment with our service department.
- If dismantling work is (also) required, the applicant must ensure that sufficient (recycling) containers are on site in good time into which the dismantled material can be placed.
- The applicant must also ensure that sufficient (recycling) containers are available during the assembly work into which the packaging materials of the required/delivered materials can be placed.
- The dismantling and/or sorting of materials for placing in (recycling) containers is not part of our work.
- The disposal of dismantled materials, packaging and/or other types of materials is not part of our work.
- When working in public areas, the applicant is responsible for ensuring a safe workplace, including: barriers to prevent accidents, falling materials/tools. Prevention. Discuss this with our service department if necessary.
- If certain work permits are required and/or coordination with local authorities is needed to ensure the work can be carried out safely, this is the responsibility of the applicant.  
Please discuss this with our service department if necessary.