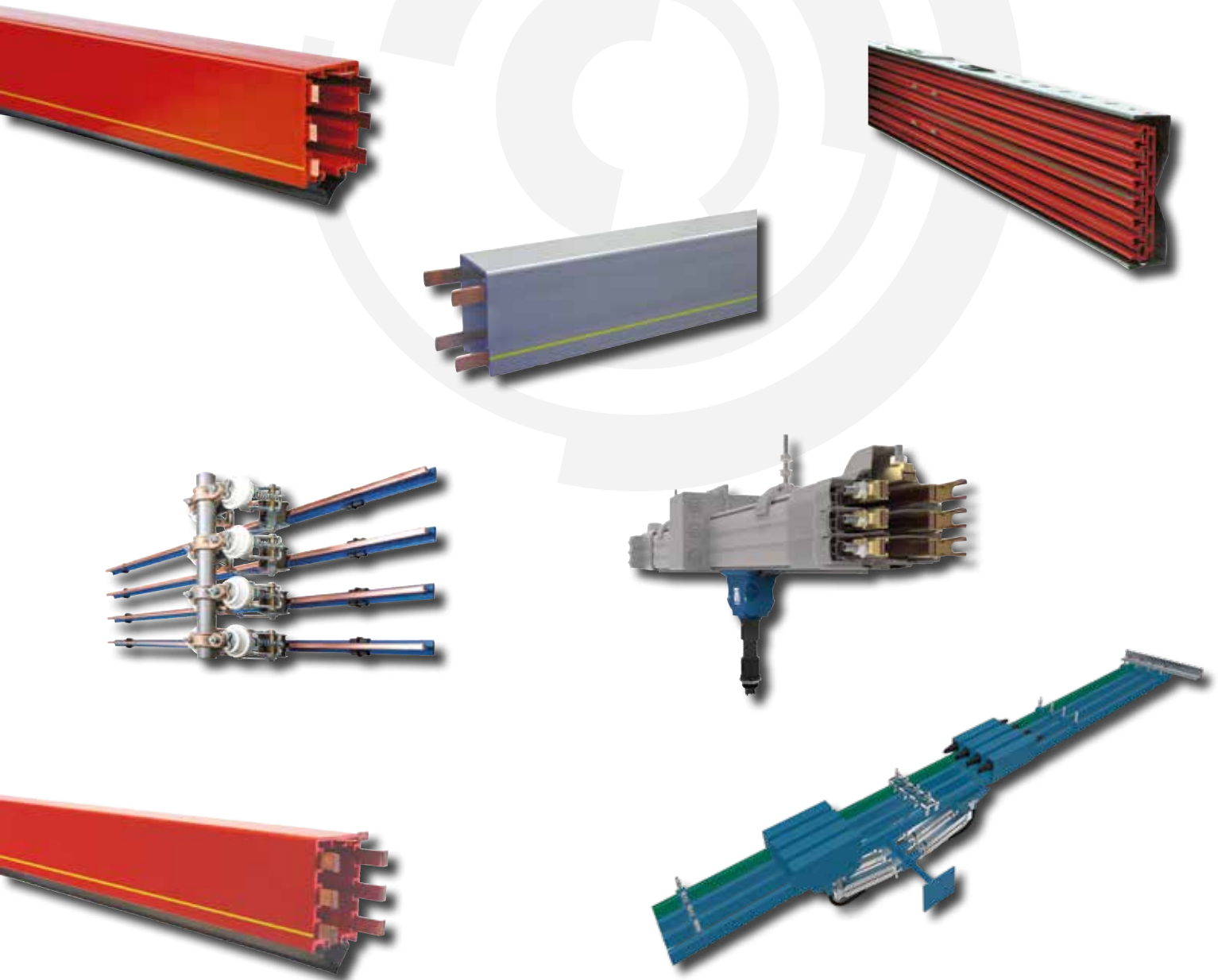


*Flexible with energy!*

# Conductor systems for movable machines


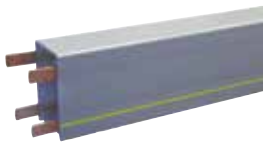

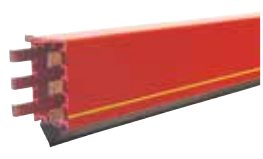


## Overview



### Multipole systems

#### continuous conductors

#### interrupted conductors

Conductor systems	Multiconductor	4-Ductor	Pro-Ductor	Click-Ductor
<b>Medium Duty</b>				
	RN7 / RNV7 / RN7W / RNHS7	RN4	PR4 / PR7 / PR10	RC4 / RC7
<b>Specifications</b>	<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>
Standard length housing:	4000 mm	4000 mm	4000 mm	3000 mm / 4000 mm
PVC housing:	signal red - RN(HS)7 white - RN7W	grey	signal red	signal red - RC7 grey - RC4
Vicat housing:	grey white - RNV7	-	-	
Number of poles max.:	7	4	4 / 7 / 10	4 / 7
Support distance:	1333 - 2000 mm	1333 - 2000 mm	3300 mm with support profile	1355 - 2032 mm
Current capacity:	35-50-80-125-160A	35-50-80-125-160A	35-50-80-125-160-200A	50-80-110-125-160-200A
Current capacity parallel:	250-320A	-	250-320-400A	220-250-320-400A
Nom. voltage max.:	600V	600V	600V	600V
Conductor material:	Copper	Copper	Copper	Copper
Travel speed max.:	500 m/min	60 m/min	500 m/min	200 m/min
Protection class:	IP23 / IP44 with sealing strips	IP23	IP23	IP23 / IP44 with sealing strips
Ambient temperature:	-30 up to +60 °C (Vicat -20 up to +80 °C)	-30 up to +60 °C	-30 up to +60 °C	-30 up to +50 °C
Environmental conditions:	Normal, dusty, humid, chemically aggressive	Normal	Normal	Normal, dusty, humid
Indoor / outdoor application:	Indoor / outdoor	Indoor	Indoor	Indoor / outdoor
	<b>Application areas</b>	<b>Application areas</b>	<b>Application areas</b>	<b>Application areas</b>
	Overhead cranes Bridge cranes High bay storage Conveyor technology Monorail tracks Internal transport systems Window cleaning systems Mining & tunnelling Agriculture Concrete skippers	Overhead cranes Bridge cranes Internal transport systems	AS / RS systems Deep freeze storage Cold storage Shuttle cars	Overhead cranes Bridge cranes Conveyor technology Monorail tracks Internal transport systems
				

Multipole systems		Single pole systems		
interrupted conductors		interrupted conductor		
<b>SCL</b>	<b>SACL</b>	<b>SICL10</b>	<b>SICL20</b>	<b>SICL25</b>
				
SCL	SACL	SICL10	SICL20	SICL25
<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>	<b>Characteristics</b>
4000 mm	4000 mm	6000 mm	6000 mm	6000 mm
grey	light aluminium	blue (phase); green (earth)	grey (phase); yellow (earth)	blue (phase); green (earth)
-	-	-	-	-
7	5	any number	any number	any number
1000 - 2000 mm	2000 - 3000 mm	800 mm	1000 mm	1500 mm
64-78-100-140-180-240A	60 up to 280A	100A	100-200A	550A
-	-	-	-	-
690V	500V	690V	690V	1000V
Copper	Copper	Copper / Stainless steel	Copper / Stainless steel	Copper / Alu-copper / Stainless steel
300 m/min	200 m/min	400 m/min	400 m/min	600 m/min
IP23 / IP24 with sealing strips	IP23	IP23	IP23	IP23
-30 up to +70 °C	-30 up to +100 °C	-30 up to +90 °C	-30 up to +90 °C	-30 up to +90 °C
Normal, dusty, humid	Normal, dusty	Normal	Normal, dusty, humid	Normal, dusty, humid
Indoor / outdoor	Indoor / outdoor	Indoor	Indoor / outdoor	Indoor / outdoor
<b>Application areas</b>	<b>Application areas</b>	<b>Application areas</b>	<b>Application areas</b>	<b>Application areas</b>
Overhead cranes Bridge cranes High bay storage Conveyor technology Monorail tracks Transport systems Data transmission systems Workshop equipment Stand-alone applications Production lines	High thermal and mechanical requirements Traveling cranes Gantry cranes High rack warehouses Monorails Storage and conveyor systems Energy Management Systems applications Transport systems Production lines	Overhead cranes Bridge cranes High bay storage Conveyor technology Monorail tracks Transport systems Data transmission systems Production lines Electrification of RTG's	Overhead cranes Bridge cranes High bay storage Conveyor technology Monorail tracks Transport systems Data transmission systems Production lines Electrification of RTG's	Overhead cranes Bridge cranes High bay storage Conveyor technology Monorail tracks Transport systems Data transmission systems Production lines Electrification of RTG's Stinger systems Rail guided vehicles Stage equipment
				

### Single pole systems

	insulated	open
	interrupted conductor	interrupted conductor

Conductor systems	SICL40	SOCL
<b>Heavy duty</b>		
	SICL40	F20/A20 F35/A35 F45/A45 VC45

Specifications	Characteristics	Characteristics
Standard length housing:	6000 mm	7000 mm
PVC housing:	blue (phase) green (earth)	-
Vicat housing:	-	-
Number of poles max.:	any number	any number
Support distance:	2500 mm	1500 - 2500 mm
Current capacity:	500 up to 2200A	2160A
Current capacity parallel:	-	-
Voltage max.:	1000V	1000V
Conductor material:	Copper / Alu-copper / Alu-stainless steel	Steel-copper / Alu-copper
Travel speed max.:	600 m/min	600 m/min
Protection class:	IP23	IP00
Ambient temperature:	-30 up to +90 °C	-30 up to +130 °C
Environmental conditions:	Normal, dusty, humid	Normal, dusty, humid
Indoor / outdoor application:	Indoor / outdoor	Indoor / outdoor



Application areas
Overhead cranes Bridge cranes High bay storage Conveyor technology Monorail tracks Transport systems Data transmission systems Production lines Electrification of RTG's Stinger systems Rail guided vehicles Stage equipment

Application areas
Traveling cranes Gantry cranes High rack Warehouses Material handling Electric suspension racks Conveyor technology Monorail tracks Data transmission systems Electrification of RTG's Smelting works

### AKAPP Solutions

AKAPP-STEMMANN is established in 1953 and is represented world-wide in over 70 countries. Our tremendous experience in the area of mobile power supply systems throughout the years is a big advantage for you as our customer.



AKAPP-STEMMANN is a world-wide market leader with our made to order conductor bar systems. Our high standard products are designed to offer you the best possible solution for almost any application in whatever the circumstances.

Good to know: our technical engineers can install these AKAPP systems perfectly for you; all over the world!



More information on our products can be found in our brochures, which we are happy to send you on request. Or visit our website [www.akapp.com](http://www.akapp.com), where you can find more relevant information, download brochures and make on line inquiries; fast and easy!



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