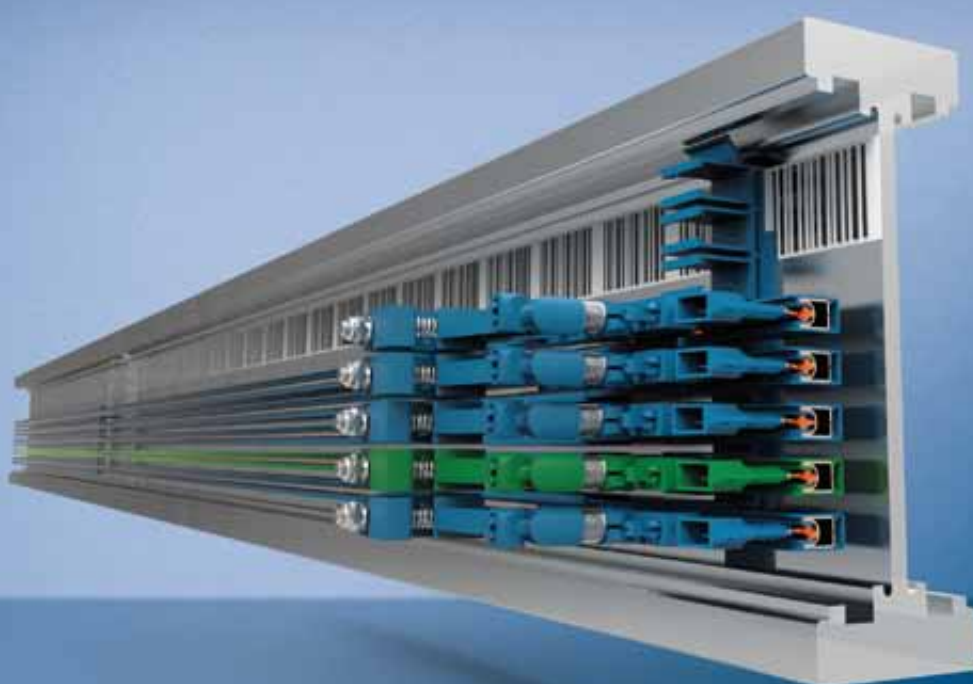




SICL10

Individually Insulated Conductor Line System



STEMMANN PRODUCTS

ENGLISCH

The SICL10 System

Our product line in the range of the individually insulated conductor lines consists of the types SICL10, SICL20, SICL25 and SICL40. The SICL10-system is a conductor line system protected against accidental contact and plastic-insulated for indoors applications, designed acc. to VDE 0100. The system offers the possibilities of both horizontal and vertical arrangement of all rails and curves in all directions.

The suspension distance is max. 800 mm in connection with a straight rail and max. 300 mm with curves. The number of poles can be increased to any pole quantity. We offer all SICL10 conductor line bars, ready-made for our connection technology, in standard delivery lengths of 6000 mm. Upon customers' requests also shorter lengths are possible.

The current collectors are available as individual components or pre-assembled on a console as multi-pole version. Optionally, we offer the conductor line system with a PE protected against reverse polarity.

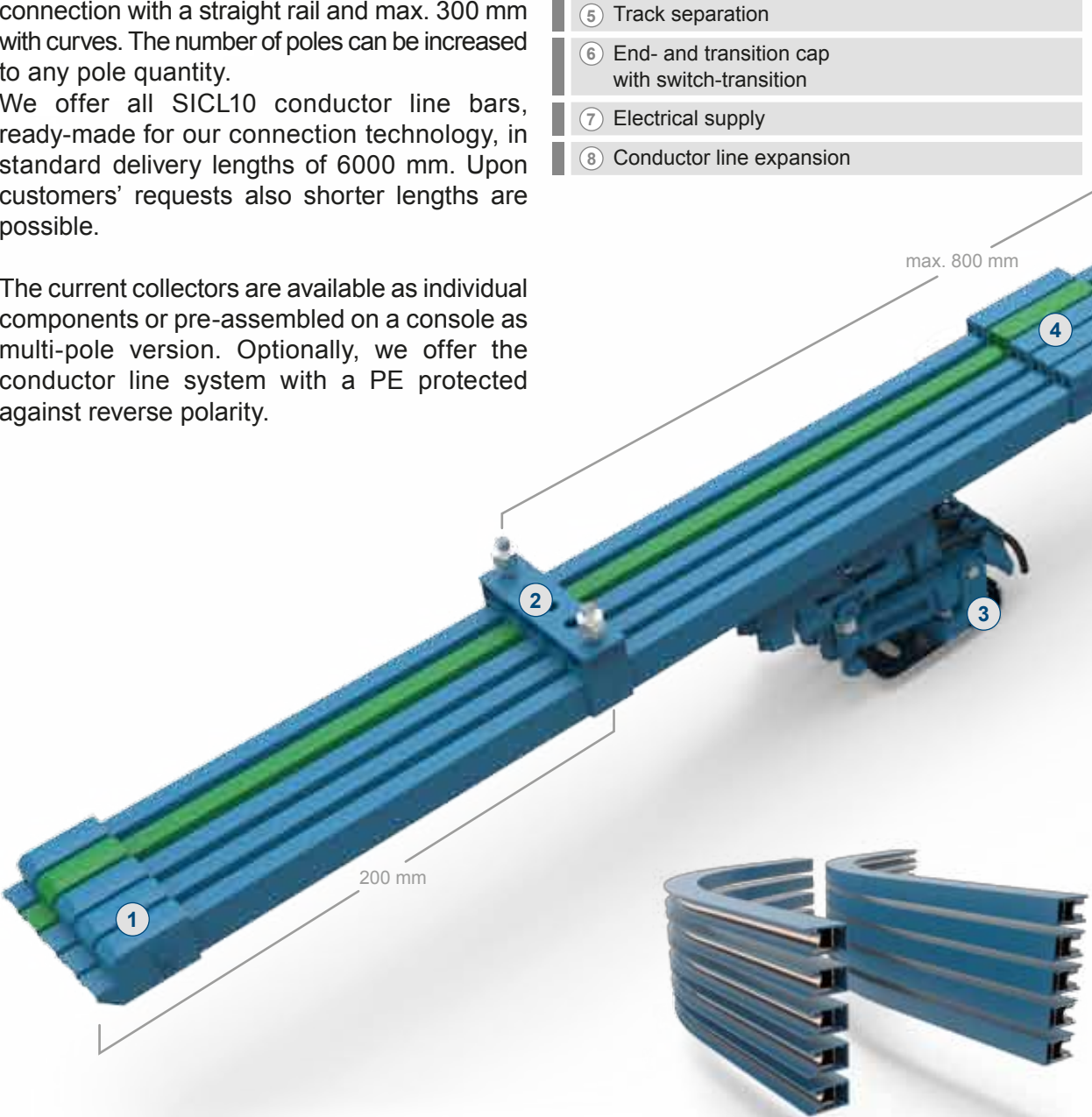


APPLICATIONS

- EMS-technology
- Warehouse systems
- Amusement rides
- Crane systems

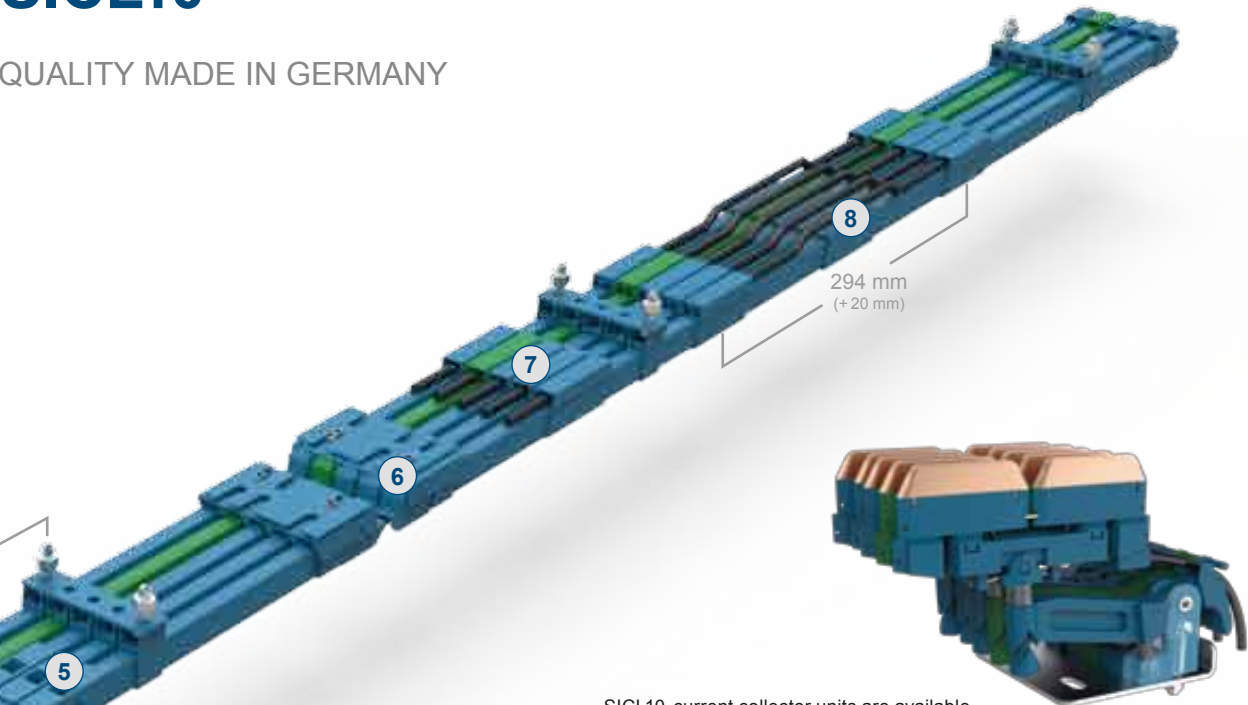
SYSTEM COMPONENTS

- 1 End cap
- 2 Suspension
- 3 Current collector /-console
- 4 Rigid connector
- 5 Track separation
- 6 End- and transition cap with switch-transition
- 7 Electrical supply
- 8 Conductor line expansion



SICL10

QUALITY MADE IN GERMANY



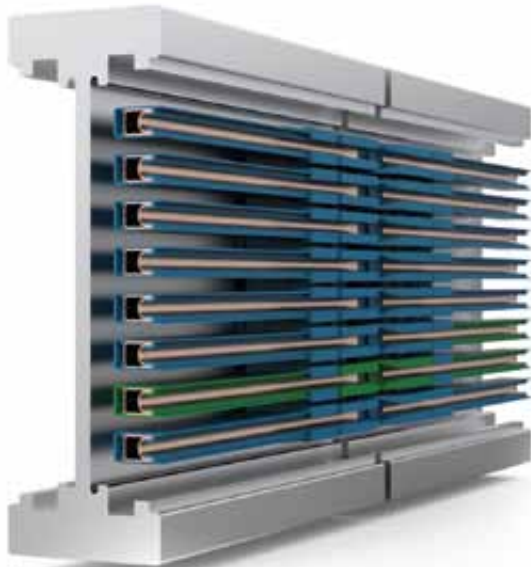
SICL10-current collector units are available with a PE protected against reverse polarity.

TECHNICAL DATA OF THE SICL10 CONDUCTOR BAR

Housing material / -colours	PVC / blue (phase), green (earth)	
Standard length	6000 mm	
Number of poles	any number	
Phase- / suspension distance	15 mm / max. 800 mm	
Voltage U _N	690 V AC	
Amperage (100% duty cycle at 35°C)	100 A (copper) / 10 A (stainless steel)	
Conductor bar cross section	25 mm ²	
Conductor material	C = copper / N = Niro (stainless steel)	
Ambient temperature	- 30 °C up to + 90 °C	
Travel speed	400 m/min	
Protection class (DIN VDE 0470 p.1/EN60529)	IP23	
Electrical data	Dielectric strength (DIN 53481)	> 22.4 kV / mm
	Tracking (IEC 60112)	CTI 600 - 1.1
	Special contact resistance (IEC 60093)	> 8x10 15 Ohm x cm
	Surface resistance (IEC 60093)	> 2x10 13 Ohm x cm
Smallest curve radius	≥ 300 mm (horizontal / vertical)	
Operation- / application area	indoors	
Fire protection equipment	UL94 / V0 (flame retardant / self-extinguishing)	
Protection from accidental contact	VDE 0470 / VDE 0100	
Air- and leakage distances	VDE 0110	
Resistant against	fuel, mineral oil, greases, sodium hydroxide (< 25 %) hydrochloric acid (concentrated), sulphuric acid (< 50 %)	

SICL10 for electro monorail systems

Numerous and elaborately designed components represent the strengths of our SICL10-conductor line system in the range of electric powered suspension track applications.



SICL10 switch point-transition in the EMS profile



SICL10-system in the in the EMS application

We produce suspensions related to the profiles used as special components and offer system-optimised terminal boxes as well as units for sliding contact testing and conductor bar cleaning.



SICL10-suspensions in the EMS profile



SICL10-system in the in the EMS application

From Planning to Production, All under One Roof



Corporate headquarters and manufacturing facility in Schüttorf, Germany

STEMMANN-TECHNIK is one of the world's leading manufacturers of energy and data transfer components and systems in industrial and transport technology.

Drawing on our 100 years of engineering and practical research, we manufacture high quality products required all over the world, and create special, innovative, customised solutions.

A fundamental key to success is our understanding of high quality in all areas of the company, ranging from customer-oriented advice to long-term service.

The quality of the STEMMANN-TECHNIK products and services is aimed at fulfilling our customers' requests, needs and expectations.

Every project and application is designed down to the finest detail, taking into account performance-related and economic aspects.

We guarantee high quality by upholding international standards and guidelines.

The quality management system is implemented based on standardised methods in conjunction with flexible structures for modelling and documenting all production and business processes.

INDUSTRIAL PRODUCTS · INDUSTRIEPRODUKTE



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LEITUNGSWAGEN-SYSTEME



CABLE REELS
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SCHLEIFRINGÜBERTRAGER



CONDUCTOR LINES
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THIRD RAIL SHOEGEARS
DRITTE-SCHIENE-STROMABNEHMER



frost® GROUND CONTACTS
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STINGER SYSTEMS
STINGER-SYSTEME



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