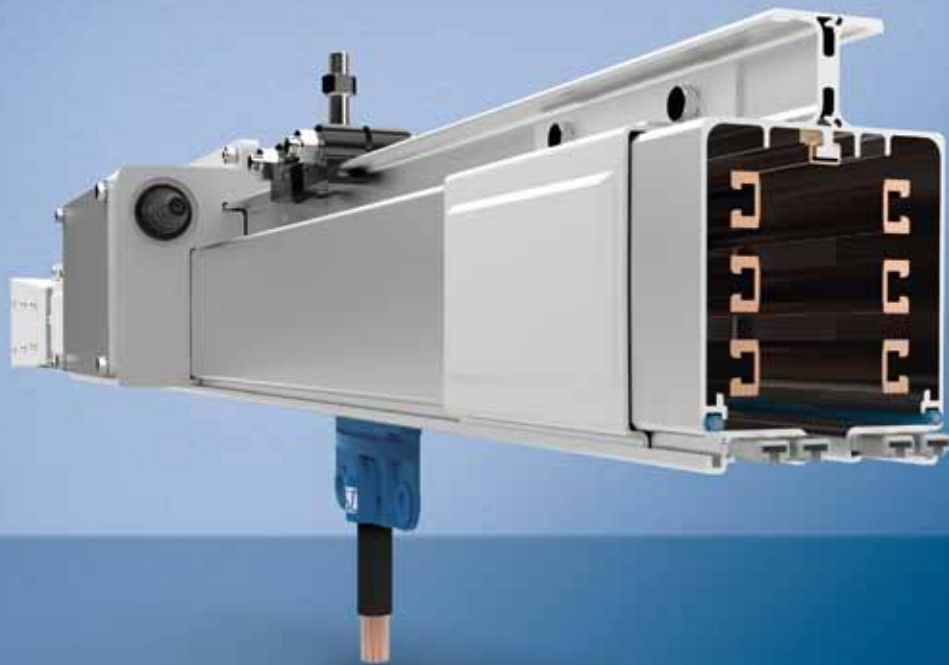


# SACL 4 to 7 poles

## Aluminium Conductor Line System



**STEMMANN PRODUCTS**

QUALITY MADE IN GERMANY

STEMMANN Aluminium Conductor Line (SACL)

The compact conductor lines of our SACL series are made of a high quality aluminium housing and are designed for applications with high thermal and mechanical requirements.

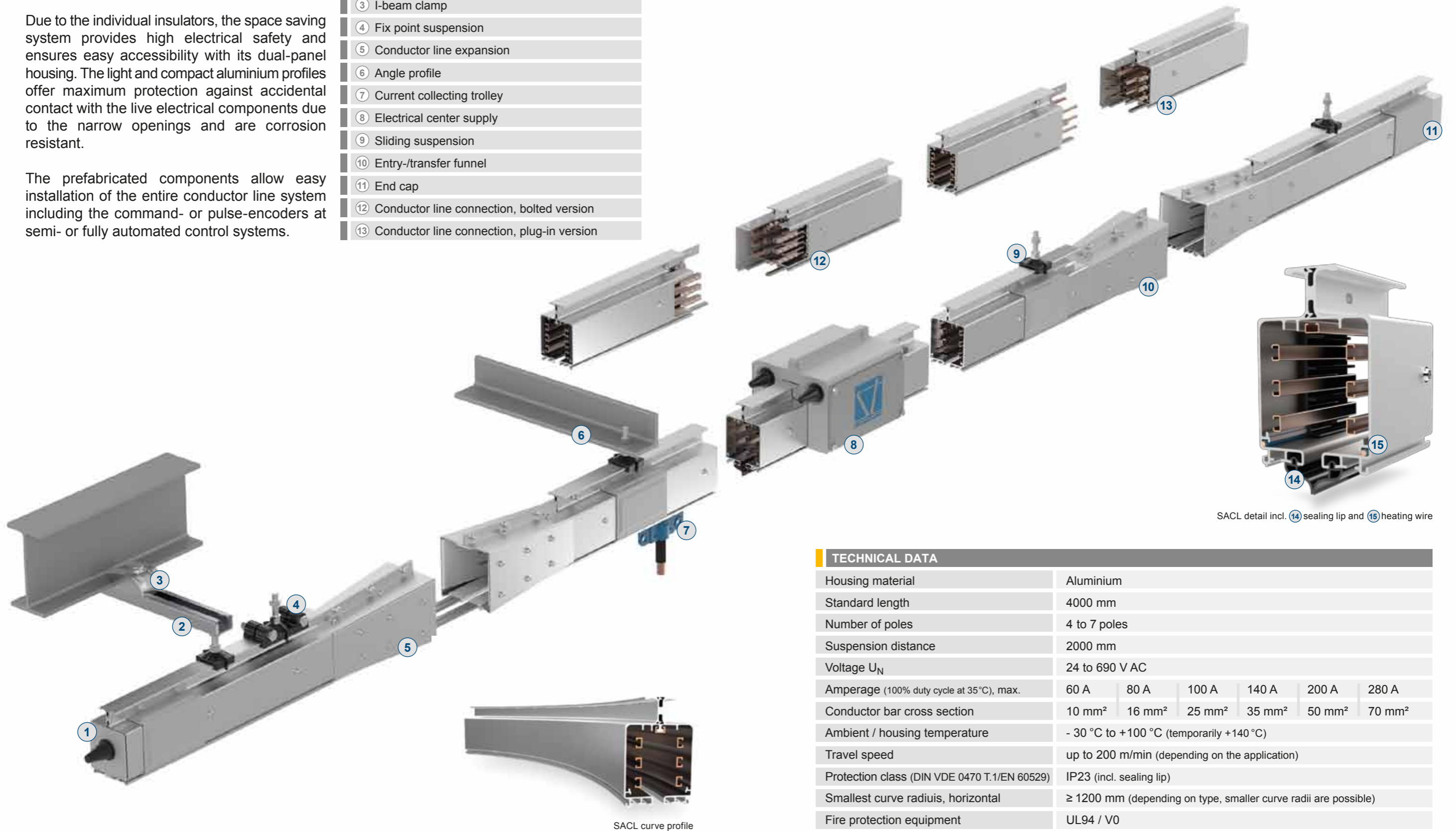
Due to the individual insulators, the space saving system provides high electrical safety and ensures easy accessibility with its dual-panel housing. The light and compact aluminium profiles offer maximum protection against accidental contact with the live electrical components due to the narrow openings and are corrosion resistant.

The prefabricated components allow easy installation of the entire conductor line system including the command- or pulse-encoders at semi- or fully automated control systems.

SYSTEM COMPONENTS	
1	Electrical end supply
2	C-rail
3	I-beam clamp
4	Fix point suspension
5	Conductor line expansion
6	Angle profile
7	Current collecting trolley
8	Electrical center supply
9	Sliding suspension
10	Entry-/transfer funnel
11	End cap
12	Conductor line connection, bolted version
13	Conductor line connection, plug-in version

# SACL 4 to 7 poles

QUALITY MADE IN GERMANY



SACL detail incl. 14 sealing lip and 15 heating wire

### TECHNICAL DATA

Housing material	Aluminium					
Standard length	4000 mm					
Number of poles	4 to 7 poles					
Suspension distance	2000 mm					
Voltage $U_N$	24 to 690 V AC					
Amperage (100% duty cycle at 35°C), max.	60 A	80 A	100 A	140 A	200 A	280 A
Conductor bar cross section	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	70 mm <sup>2</sup>
Ambient / housing temperature	- 30 °C to +100 °C (temporarily +140 °C)					
Travel speed	up to 200 m/min (depending on the application)					
Protection class (DIN VDE 0470 T.1/EN 60529)	IP23 (incl. sealing lip)					
Smallest curve radius, horizontal	≥ 1200 mm (depending on type, smaller curve radii are possible)					
Fire protection equipment	UL94 / V0					

## The SACL system in practical application

Our SACL-conductor line system is designed for currents up to 280 A. With respect to the application, we produce 4- or 7-pole versions with conductor bar cross sections of 10 - 70 mm<sup>2</sup>.

Feedings are carried out either as a centre feeding with the standard profiles or as end feedings.

The current collecting trolleys are designed, like the rest of SACL conductor line system, for applications in harsh environments such as outdoor applications, in marine environments or areas with contact with chemicals.

### APPLICATION AREAS

Especially for areas with high thermal and mechanical requirements

Crane systems

Storage- and conveyor systems

EMS applications

Transport systems

Data transmission systems

Production lines, workshop applications

Working place applications

We offer our SACL series in preassembled 4-meter lengths. In addition to the conductor bar with current collecting trolleys, mounting systems for installations in indoor and outdoor areas, etc. a comprehensive range of accessories is available.



Conductor bar connection, screwed version



SACL system application



SACL system application

INDUSTRIAL PRODUCTS · INDUSTRIEPRODUKTE



CABLE FESTOON SYSTEMS  
LEITUNGSWAGEN-SYSTEME



CABLE REELS  
LEITUNGSTROMMELN



SLIP RING ASSEMBLIES  
SCHLEIFRINGÜBERTRAGER



CONDUCTOR LINES  
SCHLEIFLEITUNGEN

RAILWAY PRODUCTS · BAHNPRODUKTE



ROOF-MOUNTED PANTOGRAPHS  
DACHSTROMABNEHMER



3<sup>rd</sup> RAIL CURRENT COLLECTORS  
DRITTE-SCHIENE-STROMABNEHMER



frost® GROUND CONTACTS  
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STINGER SYSTEMS  
STINGER-SYSTEME



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