



# SIMABUS CONNECTORS

## A REVOLUTIONARY SET OF PRODUCTS THAT REPLACE MULTIPLE CONNECTOR TYPES

### REASONS TO STANDARDIZE ON SIMABUS CONNECTORS

- **Modular approach.** Match any busbar height and interconnect specification.
- **Reduced lead time.** Cut delivery from 12 weeks to 6 weeks typically, thanks to an industrialized approach and stock components.
- **Extended lifetime.** Install die-cast components with precision-machined contact surfaces that deliver long-life, high performance.
- **Carbon-footprint reduction.** Cut environmental impact through lower shipping volumes and reduced on-site waste.
- **Engineering support.** Turn to TE to help you match the right SIMABUS product to your current or future technical specifications.

Another innovation from TE Connectivity! Part of the SIMEL product line, SIMABUS connectors replace three classes of connectors – Classic, Sinemex and Anti Corona – with one product set. For the first time, you can choose from a set of highly modularized, standard busbar connectors that meet any specification for a substation project. TE has applied knowledge from its 60+ years of experience with projects worldwide to deliver universal connectors that meet customer needs.

### Proven components that meet the full range of specifications

Tension	66 kV to 550 kV
Current	2000 A to 8000 A
Short-time current	40 kA/3 sec to 63 kA/sec
Busbar size	80 mm to 250 mm O/D
Terminal connections	Fixed or expansion type, to connect square or rectangular palms of HV equipment as well as solid studs in Al or Cu from 30 to 60 mm O/D
Post insulator connections	3-inch PCD to 275 mm PCD
Composition	High-grade aluminum alloy
Fasteners	Stainless steel with pre-waxed nuts to ensure pressure contact efficiency and contact reliability
Standards	EN, ANSI, NEMA & DIN compliant



Bus Support



Bus Junction



Bus Termination



Bus Derivation



Bus Accessory

**ALUMINIUM BUS SIZES**

ALUMINIUM BUSBAR	METRIC	80		90	100		120	125	140		150	160		200	220	250
	IPS		3"			4"				5"			6"			
O/D (mm)		80	88,9	90	100	114,3	120	125	140	14,3	150	160	168,2	200	220	250
I/D (mm)	MAX	70	77,9	78	90	102,3	104	111	120	128,2	126	148	154,1	184	200	236
	MIN			70			96					140		180		

**ELECTRICAL DUTY**

IN (min)	A	<1750	2000			3150		4000		
IN (max)		2000	3150	4000		5150	4000	6000	4000	8000

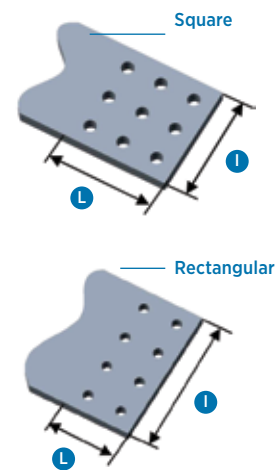
Current bridges of expansion connectors made of SAL 721 or 910 ultra-flexible stranded conductors. Size and number defined according to the above current ratings.

**STUD TERMINALS**

Available on ø30, 40, 50 and 60 mm in aluminium or copper material.

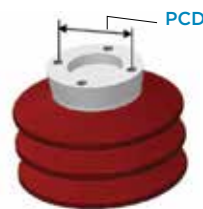
**FIXING**

To HV Terminal Equipment



L	I
80	80
100	100
125	125
100	100

To Post Insulators



SIZE	PCD
3"	76
5"	127
7"	178
225	225
254	254
275	275

[te.com/energy](http://te.com/energy)

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For more information about how SIMABUS connectors can match your specifications, or to request a catalog, contact your local sales representative at +33 3 80 58 32 62.