



Energy & Power > Power Systems Connectors > Mechanical Connectors > High Voltage Rigid Bus Connectors



Product Availability: **Worldwide**
Installation Technology: **Bolted**
Voltage Class: **≤ 550 kV**
Compatible Conductor Material: **Aluminum Alloy**
Conductor Type: **Busbar**

[All High Voltage Rigid Bus Connectors \(450\)](#)

Features

Product Type Features

Installation Technology	Bolted
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Configuration Features

Visual Inspection	No
Number of Bolts	2

Electrical Characteristics

Voltage Class	≤ 550 kV
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Body Features

Compatible Conductor Material	Aluminum Alloy
Conductor Type	Busbar
Primary Product Material	Aluminum
Blocked	No, Yes

Dimensions

Inside Diameter Range	120 mm
Bolt Head Size (Across Flats)	19 mm

Operation/Application

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Power Component Application Type	Indoor Use, Outdoor Use
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Industry Standards

NEMA Spacing (2-Hole)	Yes
Compatible With Approved Standards Products	ANSI/NEMA CC1-2009, IEC 62271-1

Product Availability

Product Availability	Worldwide
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Other

Conductor Gauge Type	AAC/AAAC, ACSR, AWG
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Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Out of Scope
EU ELV Directive 2000/53/EC	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Not Yet Reviewed
Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.

Compatible Parts





TE Part # CAT-SIMABUS

High Voltage Rigid Bus Connectors




TE Part # 2839769-1

5 TABPC 82 T120 18/35 (OPC 120)(794-796)

Also in the Series | **SIMEL SIMABUS**



Mechanical Connectors(450)



Power Cable End Caps(42)

Customers Also Bought



TE Part #CAT-IXSU

Heat Shrink Terminations: 1C/3C, Indoor




TE Part #CAT-MXSU-INL-1C

Heat Shrink Cable Joints 12-42 kV



TE Part #CAT-BLMT

Mechanical Lugs: up to 84 kV



TE Part #CAT-RSTI

Screened Separable Connectors 1250 A



TE Part #EN3699-005

RSES-525B-E

Documents

Product Drawings

5 TJL 84 P3-P5 T120 47

English

Datasheets & Catalog Pages

SIMABUS CONNECTORS (DDS)

English



Product Specifications

Product Specification

English