



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



Mechanical Connector Product Availability: **Asia (Except China), Europe, Middle East & Africa, Latin America**

Mechanical Connector Technology: **Bolted**

Mechanical Connector Voltage Class: **≤ 500 kV**

Mechanical Connector Conductor Material: **Aluminum**

Conductor Type: **Tube**

[All High Voltage Rigid Bus Connectors \(413\)](#)

Features

Product Type Features

Product Family	Simabus
Mechanical Connector Technology	Bolted
Mechanical Connector Material	Aluminum Alloy

Configuration Features

Number of Contact Bolts	12
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Electrical Characteristics

Mechanical Connector Voltage Class	≤ 500 kV
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Body Features

Mechanical Connector Conductor Material	Aluminum
Conductor Type	Tube

Dimensions

Conductor Range	7.87 kcmil
Bolt Head Size (Across Flats)	19 mm
Inside Diameter Range	180 mm[7.08 in]
Conductor Range (Main)	200 mm ²



Operation/Application

Free of Lead, Cadmium, Heavy Metals	Yes
Application Type	Expansion junction connector
Indoor Use	Yes
Outdoor Use	Yes

Industry Standards

Standards	IEC, NEMA
REACH Compliance	Yes

Product Availability

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Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not applicable for solder process capability

Product Compliance Disclaimer

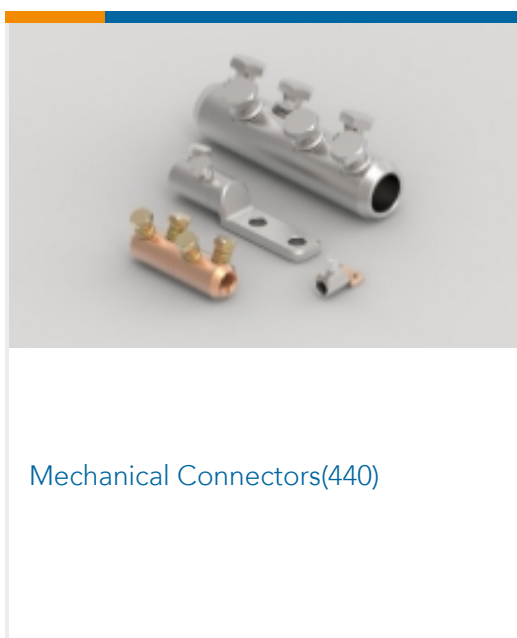
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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 Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>



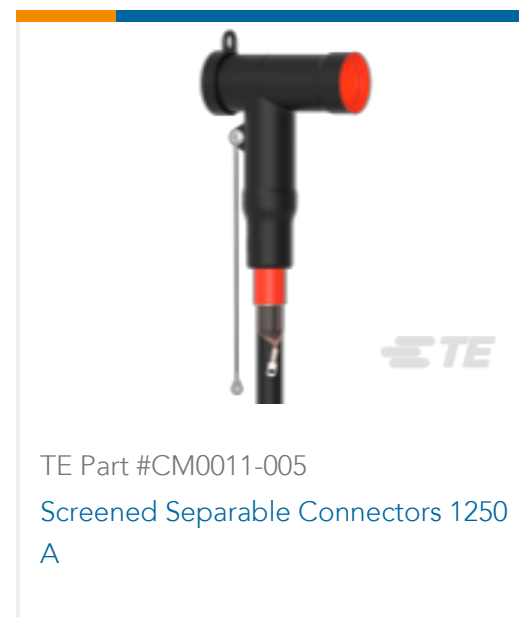
Compatible Parts



Also in the Series | SIMEL SIMABUS



Customers Also Bought



Documents

[Product Drawings](#)
[5 TJRL 84 P5-P225 TR200 47](#)

English

[Datasheets & Catalog Pages](#)



SIMABUS SUBSTATION CONNECTOR SYSTEM

English