



Energy & Power > Power Systems Connectors > Mechanical Connectors > High Voltage Flexible Cable Connectors



Mechanical Connector Product Type: **Connector**

Installation Technology: **Bolted**

Voltage Class: **≤ 500 kV**

Compatible Conductor Material: **Aluminum**

Conductor Type: **Stranded, Stud**

[All High Voltage Flexible Cable Connectors \(859\)](#)

Features

Product Type Features

Stud Size	50
Installation Technology	Bolted

Configuration Features

Number of Bolts	12
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Electrical Characteristics

Voltage Class	≤ 500 kV
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Body Features

Compatible Conductor Material	Aluminum
Conductor Type	Stranded, Stud
Primary Product Material	Aluminum Alloy

Dimensions

Compatible Conductor Cross-Section Range - Main	22.6 mm², 24.5 mm²
Bolt Head Size (Across Flats)	17 mm, 19 mm

Operation/Application

Power Component Application Type	Indoor Use, Outdoor Use
Mechanical Connector Product Type	Connector



Industry Standards

Compatible With Approved Standards Products	IEC, NEMA
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Product Availability

Product Availability	Americas, Asia (Except China), Europe, Middle East & Africa
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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	Compliant
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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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 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.

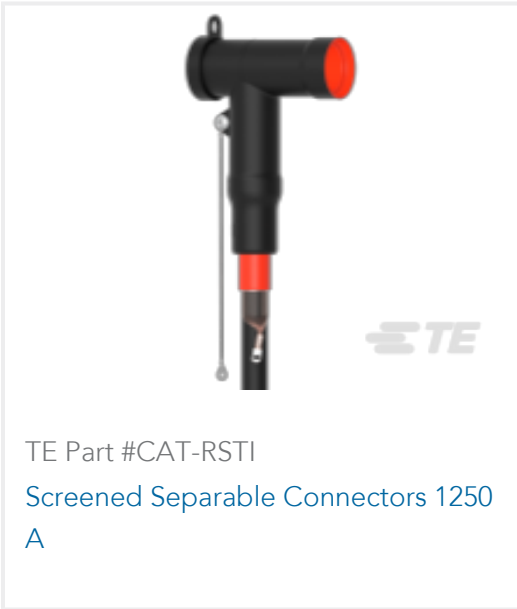
Compatible Parts



Also in the Series | SIMAFLEX



Customers Also Bought



Documents

Product Drawings
5 CJ 82 F S245 E200 L505

English

Datasheets & Catalog Pages
SIMAFLEX SUBSTATION CONNECTOR SYSTEM

English

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Connector, Bolted, ≤ 500 kV, Aluminum Conductor, Stranded / Stud, Aluminum Alloy, 12 Bolts, SIMAFLEX

