



SIMEL | SIMAFLEX

TE Internal #: 2349082-1

Mechanical Connectors, Bolted, ≤ 500 kV, Aluminum, Stud / Stranded, Conductor Range 1900 AWG/kcmil / 1590 AWG/kcmil, Aluminum Alloy, SIMAFLEX

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



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

Mechanical Connector Technology: **Bolted**

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

Mechanical Connector Conductor Material: **Aluminum**

Conductor Type: **Stranded, Stud**

[All High Voltage Flexible Cable Connectors \(807\)](#)

Features

Product Type Features

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

Configuration Features

Number of Contact Bolts	8
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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	Stranded, Stud

Dimensions

Conductor Range	1590 kcmil, 1900 kcmil
Stud Size	40
Bolt Head Size (Across Flats)	17 mm
Conductor Range (Main)	38.6 mm ² , 40.5 mm ²



	1590 AWG/kcmil[1900 AWG/kcmil]
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Operation/Application

Free of Lead, Cadmium, Heavy Metals	Yes
Application Type	Straight 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	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: JUNE 2024 (241) Candidate List Declared Against: JUN 2018 (191) SVHC > Threshold: Not Yet Reviewed
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

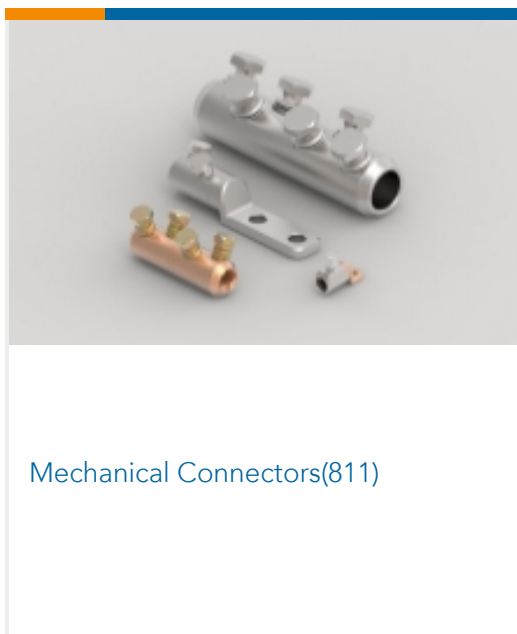


Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances 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 84 M405 S205](#)

English

[5 CJ 84 M405 S205](#)

English

Datasheets & Catalog Pages

[SIMAFLEX SUBSTATION CONNECTOR SYSTEM](#)

English