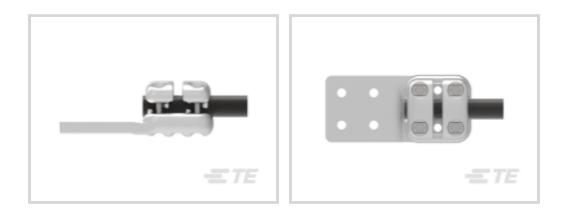


SIMEL | SIMAFLEX TE Internal #: 2349096-1 Mechanical Connectors, Bolted, ≤ 500 kV, Aluminum, Stranded / Stud, Conductor Range 1431 AWG/kcmil / 1700 AWG/kcmil, Aluminum Alloy, SIMAFLEX

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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	4
Electrical Characteristics	
Mechanical Connector Voltage Class	\leq 500 kV
Body Features	
Mechanical Connector Conductor Material	Aluminum
Conductor Type	Stranded, Stud
Dimensions	
Conductor Range	1431 kcmil, 1700 kcmil
Bolt Head Size (Across Flats)	17 mm
Conductor Range (Main)	36.6 mm², 38.5 mm²
	1431 AWG/kcmil[1700 AWG/kcmil]

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Palm Hole Diameter	16
Operation/Application	
Free of Lead, Cadmium, Heavy Metals	Yes
Application Type	Terminal Connector
Indoor Use	Yes
Outdoor Use	Yes
Industry Standards	
Standards	IEC, NEMA
REACH Compliance	Yes
Product Availability	
Mechanical Connector Product Availability	Americas, Asia (Except China), Europe, Middle East & Africa
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: JAN 2024 (240) 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

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Mechanical Connectors, Bolted, ≤ 500 kV, Aluminum, Stranded / Stud, Conductor Range 1431 AWG/kcmil / 1700 AWG/kcmil, Aluminum Alloy, SIMAFLEX



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-SIMAFLEX High Voltage Flexible Cable Connectors

Also in the Series | SIMAFLEX



Mechanical Connectors(811)

Customers Also Bought

TE Part #2301034-1	TE Part #2432974-1	TE Part #2314414-1	TE Part #2365843-1
High Voltage Rigid Bus Connectors	High Voltage Flexible Cable Connectors	5 CT 82 M385	5 CT 82 M385 M305
TE Part #712973-1 KIT STD 4 BOLTS - H M14X60 INOX A2	TE Part #713339-1 KIT STD 4 BOLTS - H M16X60 INOX A2		

Documents

Product Drawings

C For support call+1 800 522 6752

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Mechanical Connectors, Bolted, ≤ 500 kV, Aluminum, Stranded / Stud, Conductor Range 1431 AWG/kcmil / 1700 AWG/kcmil, Aluminum Alloy, SIMAFLEX



5 PD 82 M385 80 C124

English

Datasheets & Catalog Pages SIMAFLEX SUBSTATION CONNECTOR SYSTEM

English