



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 | ≤ 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 mm <sup>2</sup> , 38.5 mm <sup>2</sup><br>1431 AWG/kcmil[1700 AWG/kcmil] |



|                    |    |
|--------------------|----|
| 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)<br>Candidate List Declared Against: JAN 2024 (240)<br>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



TE Part # CAT-SIMAFLEX  
High Voltage Flexible Cable  
Connectors

## Also in the Series | SIMAFLEX



Mechanical Connectors(811)

## Customers Also Bought



TE Part #2301034-1  
High Voltage Rigid Bus Connectors



TE Part #2432974-1  
High Voltage Flexible Cable  
Connectors

TE Part #2314414-1  
5 CT 82 M385

TE Part #2365843-1  
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



**5 PD 82 M385 80 C124**

English

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**Datasheets & Catalog Pages**

**SIMAFLEX SUBSTATION CONNECTOR SYSTEM**

English