# Innovative Solutions for Elevators and Escalators

TE Connectivity (TE) is your solutions provider offering high-performance elevator and escalator components to keep people moving. We offer a vast of array of electromechanical and electronic products to help solve many design challenges. Our development capabilities range from simple modifications to unique custom designed solutions. With our customer focused product development, engineering support and easy access to additional online information, TE can help you take your elevator and escalator project to the next level.

TE connectivity

*INTELLIGENT BUILDINGS*

# Design Navigator

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| | ELEVATOR | ESCALATOR | SUBSYSTEMS 1 MACHINE/ DRIVE/ POWER SYSTEMS | SUBSYSTEMS 2 CONTROL SYSTEMS | SUBSYSTEMS 3 DISPATCH SYSTEMS | SUBSYSTEMS 4 SAFETY SYSTEMS | SUBSYSTEMS 5 CAB / DOOR SYSTEMS | Max Current Rating (A)[1] | Max Voltage Rating (V)[1] | Operating Temperature Range (°C) | Wire Range (AWG) | High Vibration Performance | SMT Compatible | Standards |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AMP-LATCH Ribbon Cable Connectors | ● | ● | | ● | | | ● | 1 | 250 AC | -65 to +105 | 28 | | | UL |
| Antennas[2] | ● | | | | ● | | | | | | | | ● | |
| Cable Identification for harnesses, wire and cable (CSL, SP, KMT, SBP, PVF) | ● | ● | ● | ● | ● | ● | ● | | | -30 to +150 | | | | UL |
| Circuit Protection | ● | ● | | ● | | ● | | 15 | 240 AC | -40 to +85 | | ● | ● | UL, CSA, TUV |
| CLOUDSPLITTER Connector System | ● | ● | | ● | ● | | ● | 1.5 signal 5.0 power | 150 AC 20 DC | -40 to +85 | 26-24 | | ● | UL, cUL |
| Controlling Signal Relays | ● | ● | | ● | | | | 5 | 250 AC/220 DC | -55 to +125 | | | ● | UL, CSA, VDE, IEC |
| Custom Cable Assemblies | ● | ● | ● | ● | ● | ● | ● | varies* | varies* | varies* | | ● | | UL, CSA, VDE |
| DIP Switches | ● | ● | ● | ● | | | ● | 0.1 | 50 DC | -30 to +85 | | | ● | |
| Dynamic Series Connectors | ● | ● | ● | ● | | | ● | 65 | 630 AC | -55 to +105 | 30-6 | ● | ● | UL, RU, CSA, TUV |
| ELECTRO-TAP Connectors | ● | | | | | | ● | | 300 AC/DC | +105 Max | 20–14 | | | UL |
| Eurostyle Terminal Blocks | ● | ● | ● | ● | | | | 10 | 300 AC/DC | -30 to +105 | 30-12 | ● | | UL, cUL |
| Industrial Ethernet | ● | ● | | ● | ● | | ● | 0.5 | 24 AC | -40 to +70 | 26-22 | ● | ● | UL, CSA |
| Industrial USB | ● | | | ● | ● | | | 2 | 30 AC | -40 to +85 | 24-18 | ● | ● | UL, CSA, USB 2.0 |
| Flexible Printed Circuit (FPC)/ Flexible Flex Circuit | ● | | | ● | | | ● | 1.0 | 250 AC | -40 to +85 | | ● | ● | |
| Free Height Board-to-Board Connectors | ● | ● | | ● | | | | 0.5 | 100 AC | -40Cto +85 | | | ● | |
| Hermaphroditic Connectors | ● | | | | | | ● | 6 | 125 AC/DC | -30 to +105 | 22-18 | | ● | UL |
| Heavy Duty Connectors (HDC) | ● | ● | ● | | | | | 350 | 3000 AC | -40 to +125 | 26–300 MCM | ● | ● | UL, IEC |
| LUMAWISE LED Holders | ● | ● | | | | | ● | 5 | 300 DC | -40 to +105 | 22-18 | | | UL, IEC, Zhaga |
| MAG-MATE Terminals | ● | ● | ● | | | | | | 240 AC | - 65 to + 125 | 34-12 | | | UL |
| Micro/Standard Poke-In Connectors | ● | | | | | | ● | 5 | 250 AC/DC | -25 to +130 | 26-18 | ● | ● | UL |
| Mini Universal MATE-N-LOK Connectors | ● | ● | ● | ● | | | ● | 9.5 | 600 AC | -55 to +105 | 30-16 | | | UL, CSA, VDE |
| Modular Jacks | ● | ● | | ● | ● | | ● | 1.5 | 150AC | -40 to +85 | 26-22 | | | UL |
| Mass Termination Assembly (MTA) & SL Connectors | ● | ● | ● | ● | | | | 12.5 | 600 AC | -55 to +105 | 26-18 | | | UL, CSA |
| MULTILOCK Connectors | ● | ● | | ● | | | | 10 | 12 DC | -30 to +105 | 20-16 | ● | | |
| NECTOR Power Systems | ● | ● | | | | ● | ● | 20 | 400 AC | -20 to +85 | 18, 4.0-1.5 | ● | ● | UL, IEC |
| Releasable Poke-In Wire Connectors | ● | | | | | | ● | 6 | 400 AC/DC | -30 to +105 | 22-18 | ● | ● | UL, IEC |
| Resistors[3] | ● | ● | ● | ● | | | | Refer to table below for product details | | | | | | |
| Power Relays & Contactors | ● | ● | ● | ● | | | | 120 | 600 AC | -55 to + 65 | | | | UL, CSA, VDE, SEMKO, IEC |
| Safety (Force Guided) Relays | ● | ● | | ● | | ● | | 16 | 250 AC | -40 to +85 | | | | UL, VDE, TUV, CQC, Industry** |
| Single Phase EMI/RFI Power Filters | ● | ● | ● | ● | ● | | | 60 | 250 AC | -10 to +40 | 26-8 | | | UL, CSA, VDE |
| Tactile Switches | ● | ● | | ● | ● | | ● | 0.05 | 24 DC | -35 to +105 | | | ● | |
| Three Phase EMI/RFI Power Filters | ● | ● | ● | ● | | | | 200 | 480 AC/277 AC | -10 to +40 | 12-0 | | | UL, CSA, VDE |
| Universal MATE-N-LOK Connectors | ● | ● | ● | ● | | | ● | 19 | 600 AC | -55 to +125 | 30-16 | ● | | UL, CSA, VDE |

**Resistors[3]**

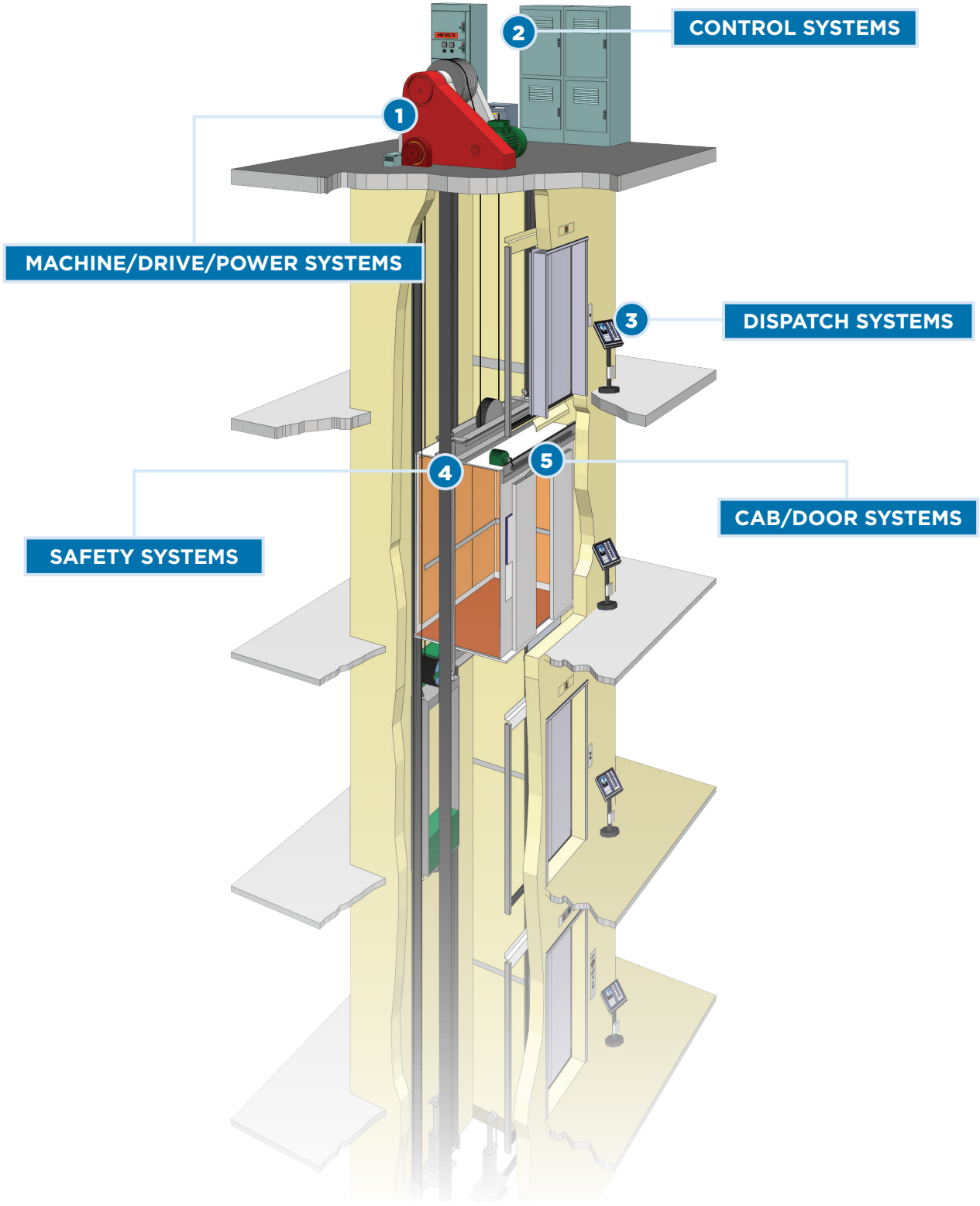
| Family | Technology | Key Features | Control Circuitry | Capacitor Precharge / Discharge | Braking | Balancing | Snubber | Current Sense |
|---|---|---|---|---|---|---|---|---|
| C / ER | Wirewound | 2.5 to 14W, C=Vitreous / ER=Silicone | ● | ● | | ● | | |
| CBT/CCR | Carbon / Ceramic | 1/4 to 2W Pulse Withstand | ● | | | | | |
| CJT | Wirewound | 175 to 1000W Mineral Filled | | | ● | | | |
| HS / THS | Wirewound | 5W to 300W Aluminium Housed | ● | ● | ● | | | |
| Load Bank | Wirewound | Customized Load Bank | | | ● | | | |
| RGP | Thick Film | 0.25W High Ohmic | ● | | | ● | ● | |
| RL73 | Thick Film | SMD Current Sense | ● | | | | | ● |
| RN73 / RP73 / CPF | Thin Film | SMD Precision Chip | ● | | | | ● | |
| RR / ROX | Metal Film/Oxide | 1 to 7W High Power | ● | ● | | ● | ● | |
| SBC | Wirewound | 4 to 40W Ceramic Cased | ● | ● | | | | |
| SL / SBL | Foil | 0.25W to 2.5W Current Sense | ● | | | | | ● |
| SM | Wirewound/Oxide | 1 to 5W Moulded Power Chip | ● | ● | | | | ● |
| SQ | Wirewound/Oxide | 2 to 40W Ceramic Cased | ● | ● | ● | | | |
| TLR / HL | Foil | 0.5 to 3W Current Sense | ● | | | | ● | ● |
| TE | Wirewound | 10 to 2500W Tubular | | ● | | | | |

CQC – China Quality Certification
CSA – Canadian Standard Association
cUL – Tested to Canadian Standards by Underwriters' Laboratories
IEC – International Electrotechnical Commission
Industry – Meets product specific industry standards (details on product page at te.com)
RU – Recognized Under
SEMKO – Svenska Elektriska Materielkontrollanstalten
TUV – Technischer Überwachungs-Verein
UL – Underwriters' Laboratories
VDE – Verband Deutscher Elektroingenieure
Zhaga – Standard for Interchangeable LED Light Sources

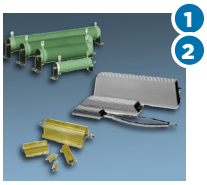
[1] May vary based on application and product selection
[2] TE is a leading developer and manufacturer of high performance embedded and external antennas. Visit www.antenna.te.com to learn more.
[3] Current rating, voltage rating, and operating temperature range may vary based on application and product selection
* Available with custom specifications

Go to te.com for further information

## TE offers solutions for all your elevator needs.



## Featured Products



### Resistors

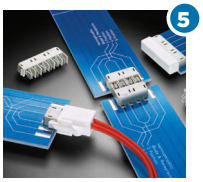
- Accomodate a wide variety of applications with a large product offering
- Improve the life of other system components with electrical discharge control
- Allow for fine tuning of motor performance to support unique installation requirements

Search term: "Resistors"
Catalog I no. 1773442-9
Catalog II no. 130950

### Free Height Board-to-Board Connectors

- Support high reliability with polarized mating
- Provide design flexibility with a variety of stack heights
- Save valuable PCB space with compact connector design

Search term: "Free Height"
Catalog no. 889092



### Hermaphroditic Connectors

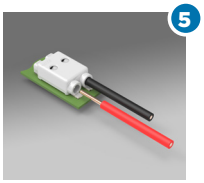
- Save space with low profile, flat surface design
- Provide manufacturing flexibility with SMT or reflow processing compatibility
- Simplify design by allowing the same footprint on both ends of the strip

Search term: "Hermaphroditic"
Catalog no. 6-1773454-3

### NECTOR Power Systems

- Reduce assembly time with power "plug and play"
- Minimize space requirement with multi-position connectors in a circular form factor
- Meet outdoor sealing requirements with IP67 rated versions

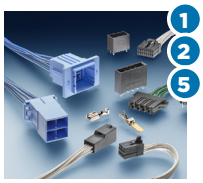
Search term: "NECTOR"
Brochure i no. 1773457-7
Brochure II no. 5-1773465-6



### Releasable Poke-In Wire Connector

- Minimize shadowing with rounded corners
- Save space with low profile design
- Allow for repeatable, flexible wire insertion

Search term: "Releasable Poke-In"
Brochure no. 1-1773730-4



### Dynamic Series Connectors

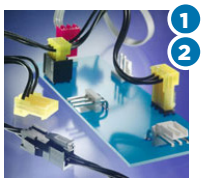
- Support low signal to high power applications with a broad range of versatile contacts
- Save time and money with centralized modular wiring system
- Prevent mismating with keyed and color coded housings

Search term: "Dynamic Series"
Catalog no. 1242132

### LUMAWISE LED Holders

- Simplify installation with snap-in LED retention feature
- Avoid soldering with poke-in wire connection
- Streamline assembly and installation with tool-less termination of solid fused and stranded wire

Search term: "LUMAWISE"
Brochure no. 8-1773700-9



### Mass Termination Assemblies (MTA) & SL Connectors

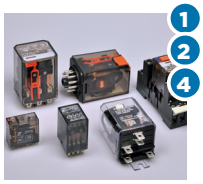
- Reduce assembly costs with mass termination of wire
- Allow for daisy chain applications with wire feed-through capability
- Increase design flexibility with right-angle and vertical mount products and through-hole and SMC configurations

Search term: "MTA"
Selection Guide no. 82056

### CLOUDSPLITTER Connector System

- Offer both Cat 5e signal performance and DC power in one RJ45 standard package
- Provide surface mount capability in a Cat 5e connector
- Achieve easy retrofit with acceptance of standard RJ45 plugs

Search term: "CLOUDSPLITTER"
Data Sheet no. 1-1773707-2
Flyer no. 1-1773707-3



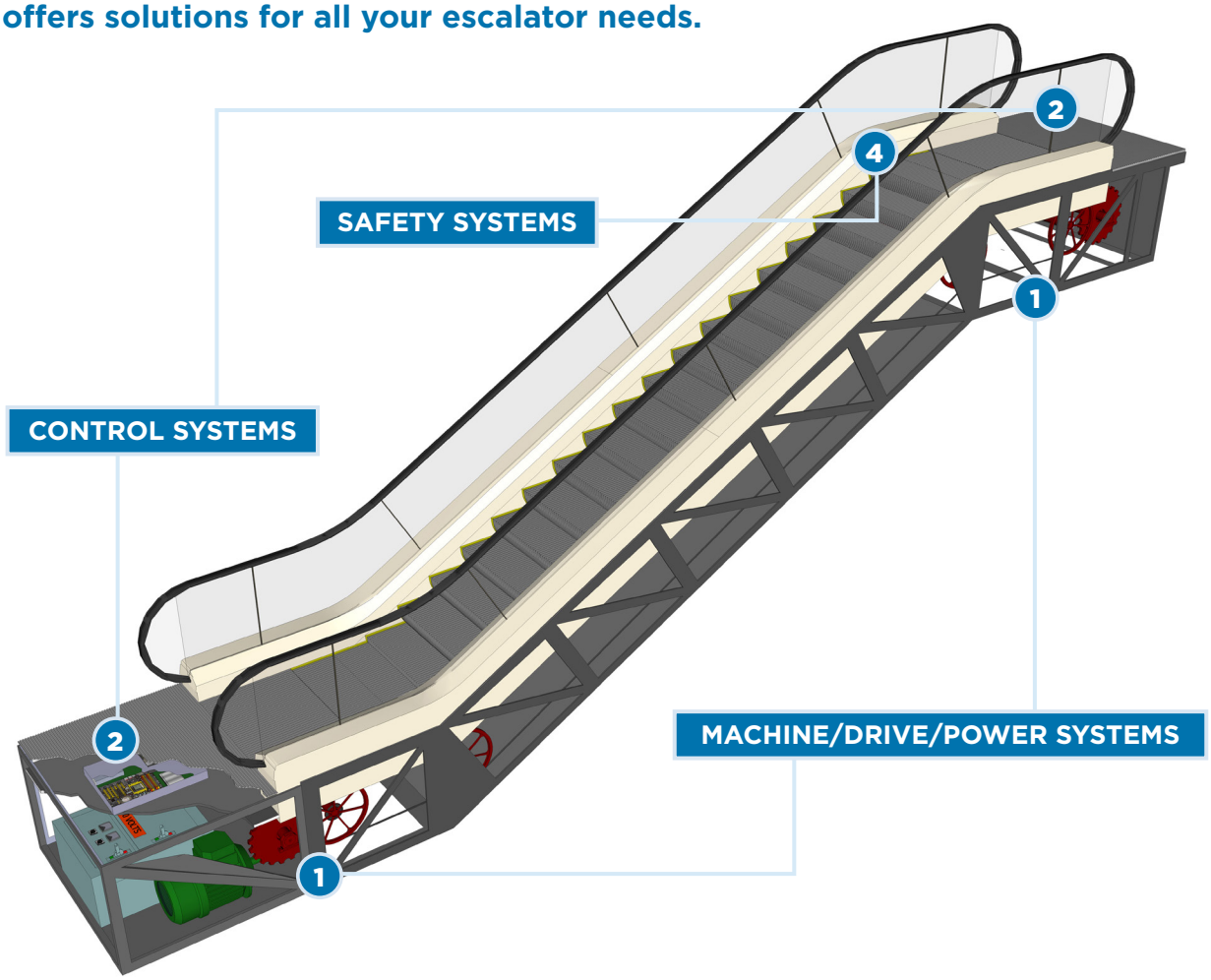
### Relays

- Withstand extreme environments with high performance designs
- Design for delayed action with internal timer option
- Support system needs with various options from a single source

Search term: "Relays"

Go to te.com for further information

## TE offers solutions for all your escalator needs.

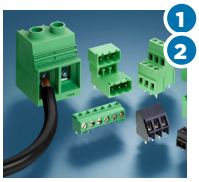



## Featured Products

**Safety (Force Guided) Relays**

- Prevent dangerous situations in critical applications with mechanically linked contacts
- Simplify circuit monitoring with one relay for both power and signal switching
- Meet safety requirements with IEC and EN compliant design

Search term: "Force Guided Relays"
Catalog no. 1308033-2



**Eurostyle Terminal Blocks**

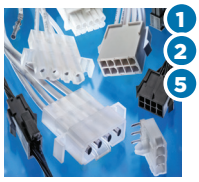
- Easy assembly and expansion with modular design and interlocking features
- Support repeated connect/disconnect cycles with robust clamping technology
- Gain design flexibility with broad product offering

Search term: "Eurostyle"
Quick Reference Guide no. 1-1773458-1

**Three Phase EMI/RFI Power Filters**

- Enable a broad range of applications with a large product offering
- Prevent interferance with electronic systems by reducing radiated electrical noise
- Comply with mandated EMI/RFI standards in an easy to install package

Search term: "EMI/RFI Filters"
Catalog no. 1654001



**Universal MATE-N-LOK Connectors**

- Achieve design flexibility and polarization with interchangeable contacts
- Improve reliability in high moisture environments with splash proof options
- Maintain ultimate safety with egg crated finger-proof design

Search term: "MATE-N-LOK"
Catalog no. 82181

Go to te.com for further information

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