

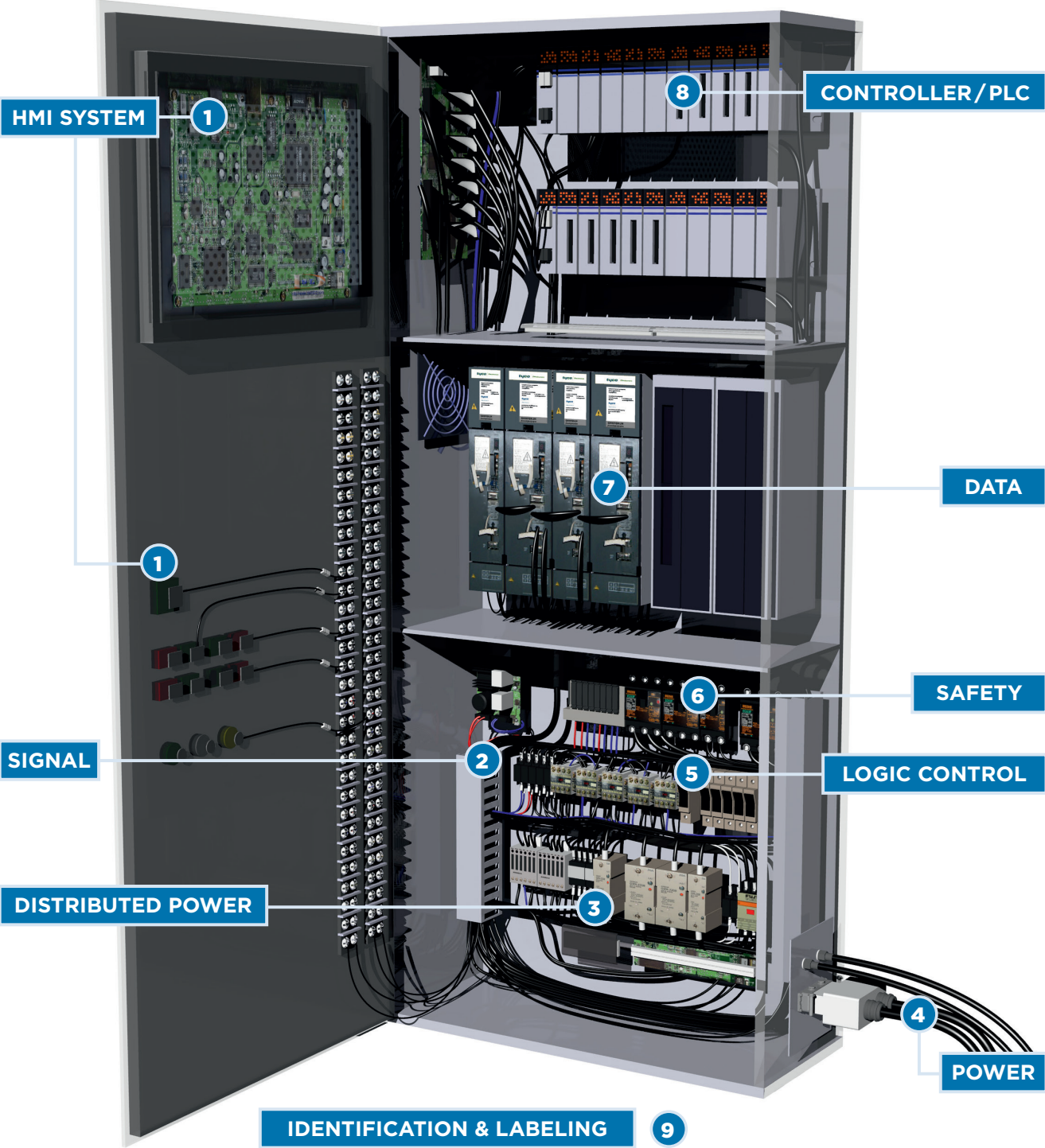


INDUSTRIAL CONTROL

INNOVATIVE SOLUTIONS

Save on machine maintenance costs and downtime

TE offers solutions for all of your industrial control needs both inside and outside the cabinet.



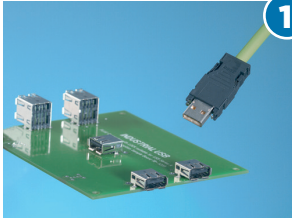
DESIGN NAVIGATOR

		Max Current Rating (A) ¹	Protection from EMI/ RFI Noise	High Speed Signals/Data Communications	Environmental Sealing	High Vibration Performance	Thermal Performance	Protection Against Mechanical Shock	Wire Management	Space Savings Design	Standards	
1	HMI SYSTEM											
	Dynamic Series Wire-Applied Connectors	65					●	●			UL, RU, CSA, TUV	
	Flexible Printed Circuit (FPC) Wire-to-Board Connectors	0.5				●	●	●		●	N/A	
	Free Height (FH) Board-to-Board Connectors	0.5								●	COM Express (0.5mm FH)	
	Heavy Duty Connectors (HDC)	350	●		●	●	●	●			UL, CSA, SEV, VDE, DIN	
	Industrial Mini I/O Connector System	0.5				●	●	●			N/A	
	Industrial Mini I/O Field Installable Connectors	0.5				●	●	●		●	Cat 5e	
	Industrial RJ45 Metal Shell Connectors	0.5		●	●	●	●	●	●	●	UL, CSA, ODVA Ethernet/IP	
	Industrial USB Connectors	1.5		●	●	●	●	●			UL, CSA, Industry*, Mil	
	Knobs	N/A									N/A	
	Precision Resistors		Refer to the table below for product detail									N/A
	Switches	25		●	●						RU, CSA, VDE, UL	
	Switching Coax Connectors	0.5			●	●		●			ETSI	
	Terminals & Splices	30				●	●	●	●		UL, CSA, Industry*	
2	SIGNAL											
	AMPLIMITE D-Subminiature Connectors	7.5	●			●	●	●	●		CSA, UL	
	AMPMODU MTE Wire-applied Connectors	3				●	●	●	●			
	AMPMODU System 50 Board-to-Board & Wire-to-Board Conn.	1				●	●	●	●			
	Dynamic Series Wire-Applied Connectors	65				●	●	●			UL, RU, CSA, Industry*	
	M8/M12 Connector System	5	●	●	●	●	●	●		●	UL, CSA	
	Mini-Universal MATE-N-LOK Wire-Applied Connectors	9.5			●	●	●	●	●		RU, CSA, UL	
	Remote I/O Terminal System (RITS) Connectors	3			●	●	●	●		●	UL	
3	DISTRIBUTED POWER											
	CROWN LINE Power Bus Bar System	300				●			●	●	RU	
	DIN Rail Adapters	0.75	●	●					●		ISO 11801/TIA 568	
	DIN Rail Modular Jacks	20	●			●		●	●	●	UL, CSA	
	Pluggable Bus Bar Connectors & Sockets	500				●					RU	
	RAPID LOCK Bus Bar Connectors	300				●			●	●	RU	
	Solid State Relays & I/O Modules	125	●	●		●		●			RU, CSA	
	Terminal Blocks & Barrier Strips	30					●				RU, CSA	
	Universal MATE-N-LOK Wire-Applied Connectors	19			●	●	●	●	●		RU, CSA, UL, VDE	
4	POWER											
	AMP Power Series Wire-Applied Connectors	275				●	●	●			UL, CSA	
	Cable Assemblies²	N/A	●		●	●	●	●	●		UL, CSA, VDE	
	Circular Plastic Connectors (CPC)	60			●	●	●	●	●		UL, CSA, VDE	
	Corcom Power Line Filters	200					●				RU, UL, CSA, VDE, Industry*	
	Heavy Duty Connectors (HDC)	350	●		●	●	●	●			UL, CSA, SEV, VDE, DIN	
	High Current ELCON Drawer Connectors	200									UL, RU	
	MULTI-BEAM XLE Power Connectors	50									N/A	
	Pluggable Bus Bar Connectors	500									RU	
5	LOGIC CONTROL											
	Contactors	120									UL, RU, CSA, Industry*	
	Relays	50			●		●			●	RU, CSA, UL, VDE, Industry*	
	Timers	10									RU, CE, UL, CSA	
	Transformers	N/A									RU	
6	SAFETY											
	Circuit Breakers	50			●					●	RU, CSA, VDE, CCC	
	Circuit Protection Devices	100		●		●	●	●		●	UL, CSA, TUV	
	Force Guided Relays	8			●					●	RU, VDE, TUV, CQC, Industry*	
7	DATA											
	Cable Assemblies²	N/A	●	●	●	●	●	●	●	●	UL, CSA, VDE	
	Industrial Mini I/O Field Installable Connectors	0.5				●				●	Cat 5e	
	Industrial RJ45 Metal Shell Connectors	0.5	●	●	●	●	●	●	●	●	UL, CSA	
	M8/M12 Connector System	5	●	●	●	●	●	●		●	UL, CSA	
	PC Card Connectors (PCMCIA Compliant)	5	●			●		●		●	PCMCIA	
	RJ45 Modular Jacks & Plugs	1.5	●	●		●		●		●	RU, UL, CSA, Industry*	
8	CONTROLLER/PLC											
	Circular Plastic Connectors (CPC)	60			●	●	●	●	●		UL, CSA, VDE	
	CROWN CLIP Power Bus Bar Sockets	350									UL (USR & CNR), CSA	
	Dynamic Series Wire-Applied Connectors	30				●	●	●			UL, RU, CSA, TUV	
	Eurostyle Terminal Blocks	125					●			●	RU, CSA, VDE	
9	IDENTIFICATION & LABELING											
	Cable Identification/Wire Markers	N/A				●	●	●			UL, CSA, Mil, Industry*	
	Heat Shrink Tubing	N/A	●		●	●	●	●	●		UL, CSA, Mil, Industry*, IEC	
	Pressure Sensitive Adhesive Labels	N/A	●	●	●	●	●	●	●	●	UL, CSA, Mil, Industry*	

PRECISION RESISTORS						
Series	Size	Power Rating (W)	TCR (ppm)	Value Range	Limiting element Voltage (V)	Max Overload Voltage (V)
RN73 Series	0402 - 2512	0.063 - 0.5	10	4R7 - 1M0	25 - 150	50 - 300
CPF Series	0201 - 2512	0.03125 - 0.5	25	4R7 - 3M0	15 - 150	30 - 300
RP73 Series	0402 - 2512	0.063 - 1.0	15	4R7 - 1M0	25 - 200	50 - 400
RP73P Series	0603 - 0805	0.1666 - 0.25	25, 50	10R - 500K	100 - 150	150 - 300

UL - UL Listed
 RU - Recognized Under
 CSA - Canadian Standards Association
 * Industry/Mil - Meets product specific industry standards or Mil specs (see product page on te.com for more detail)
¹ May vary based on application and product selection
² Solves the same problems as the applied interconnect

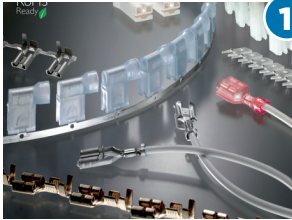
FEATURED PRODUCTS



1

Industrial USB Connectors

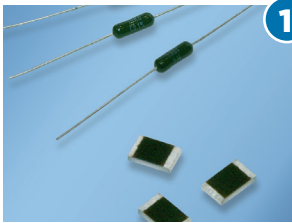
- Minimize downtime during equipment transfer with secondary locking feature
- Support data transfer rates of standard USB 2.0 or the 10 times faster USB 3.0
- Ideal for harsh environments with either IP20 ruggedized or IP67 sealed designs



1

Terminals & Splices

- Reliable in thermally diverse applications due to high quality crimp / brazed seam
- Improve productivity and reliability through quick connection design
- Gain design flexibility and ease of maintenance with broad portfolio



1

Precision Resistors

- Gain long term application stability with ultra-low temperature sensing
- Minimize electronic noise with thin film precision resistors
- Reduce inventory cost with flexibility in lead-time/packaging



1

Dynamic Series Wire-Applied Connectors

- Suitable for low signal to high power applications with a broad range of versatile contacts
- Save time and money with a centralized modular wiring system
- Prevent mismatching with keyed housings

2

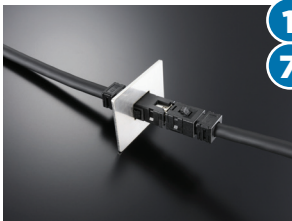


1

Heavy Duty Connectors (HDC)

- Lower applied cost with quick and easy assembly options
- Gain machine configuration flexibility by combining power, signal and data circuits
- Withstand severe environmental conditions with IP68 configuration options

4



1

Industrial Mini I/O Field Installable Connectors

- Obtain a Cat5e connection using a small and rugged industrial connector
- Save wire termination time with an innovative field installable piercing contact
- Ensure reliable connections in industrial and vibration-prone environments

7

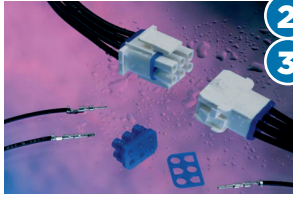


2

M8/M12 Connector System

- Reach up to 10 Gb/s connections with a high speed rugged industrial connection
- Save time and money with a complete standard portfolio of connectors, cable assemblies and passive I/O modules
- Design for applications exposed to harsh environments and extreme temperatures

FEATURED PRODUCTS



2 Universal MATE-N-LOK Wire-Applied 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



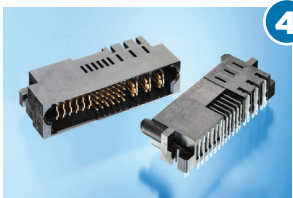
3 Eurostyle and Barrier style Terminal Blocks

- 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



4 Corcom Power Line Filters

- Meet emission standards with EMI /RFI protection
- Gain design flexibility with multiple termination options on high current power filters
- Solve challenges with custom design, testing and qualification capabilities



4 MULTI-BEAM XLE Power Connectors

- Enable ease of operation with hot-pluggable contacts (high power rated at 75 Amps/low power rated at 40 Amps)
- Lower transients with sequenced contacts for mate-first-break-last operation
- Achieve long system life with high durability (up to 500 cycles)



4 Circular Plastic Connectors (CPC)

- Mixed power and signal available in a single interconnect
- Ideal for harsh environments where mechanical shock, moisture and debris are prevalent
- Efficient field repair achieved by removable contacts and replaceable coupling ring



5 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



7 Industrial Ethernet Products

- Industrial Ethernet solutions ranging from 100Mb through 10Gb speeds
- Ideal for harsh environments with a secure, sealed interconnection
- Complies with major Industrial Ethernet protocols



9 Identification & Labeling

- Suitable for harsh environments using thermal transfer, laser printer or hand written technologies
- Supports standard and customized requirements with fully compatible product family

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