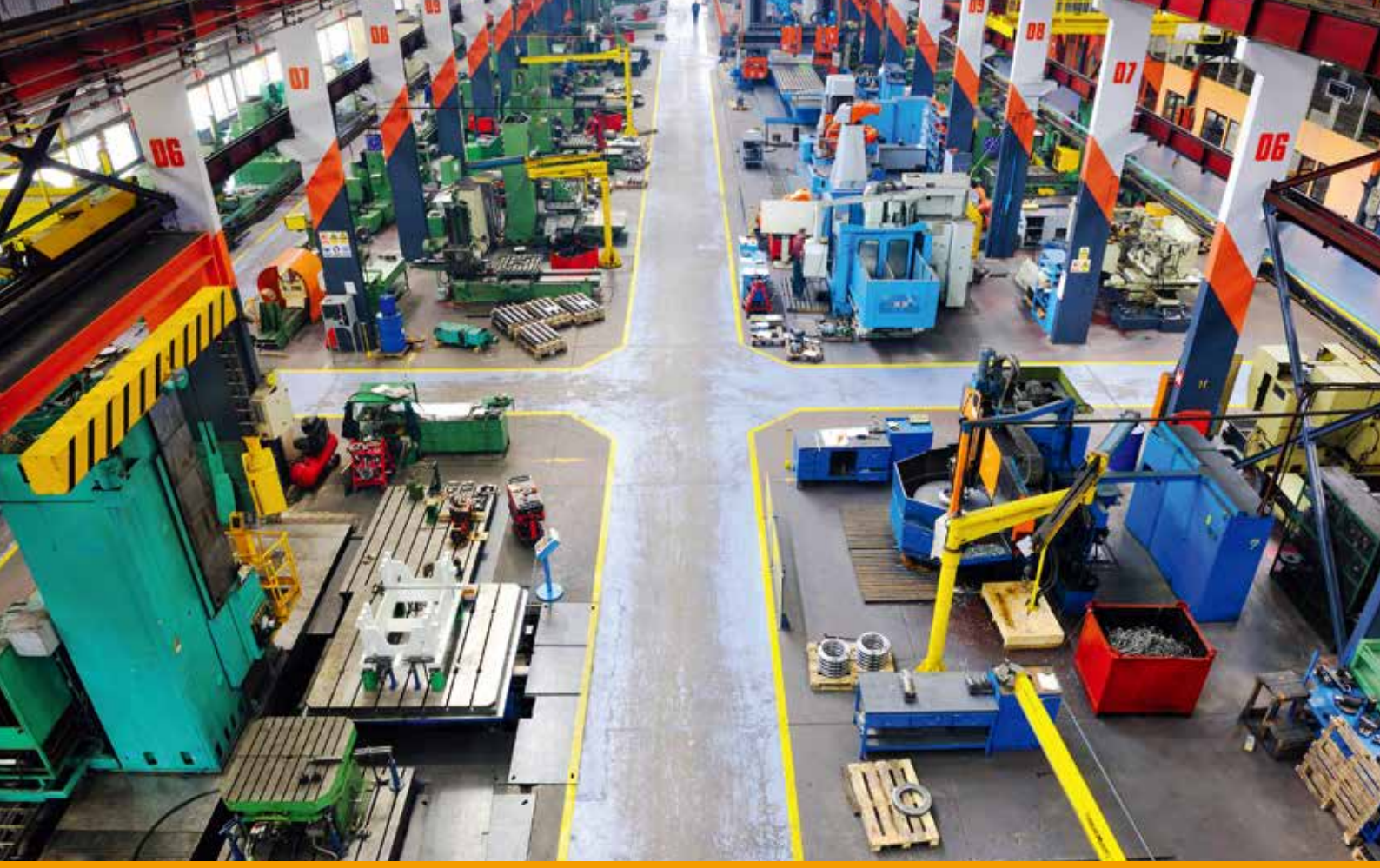


Innovative Solutions for Industrial Control

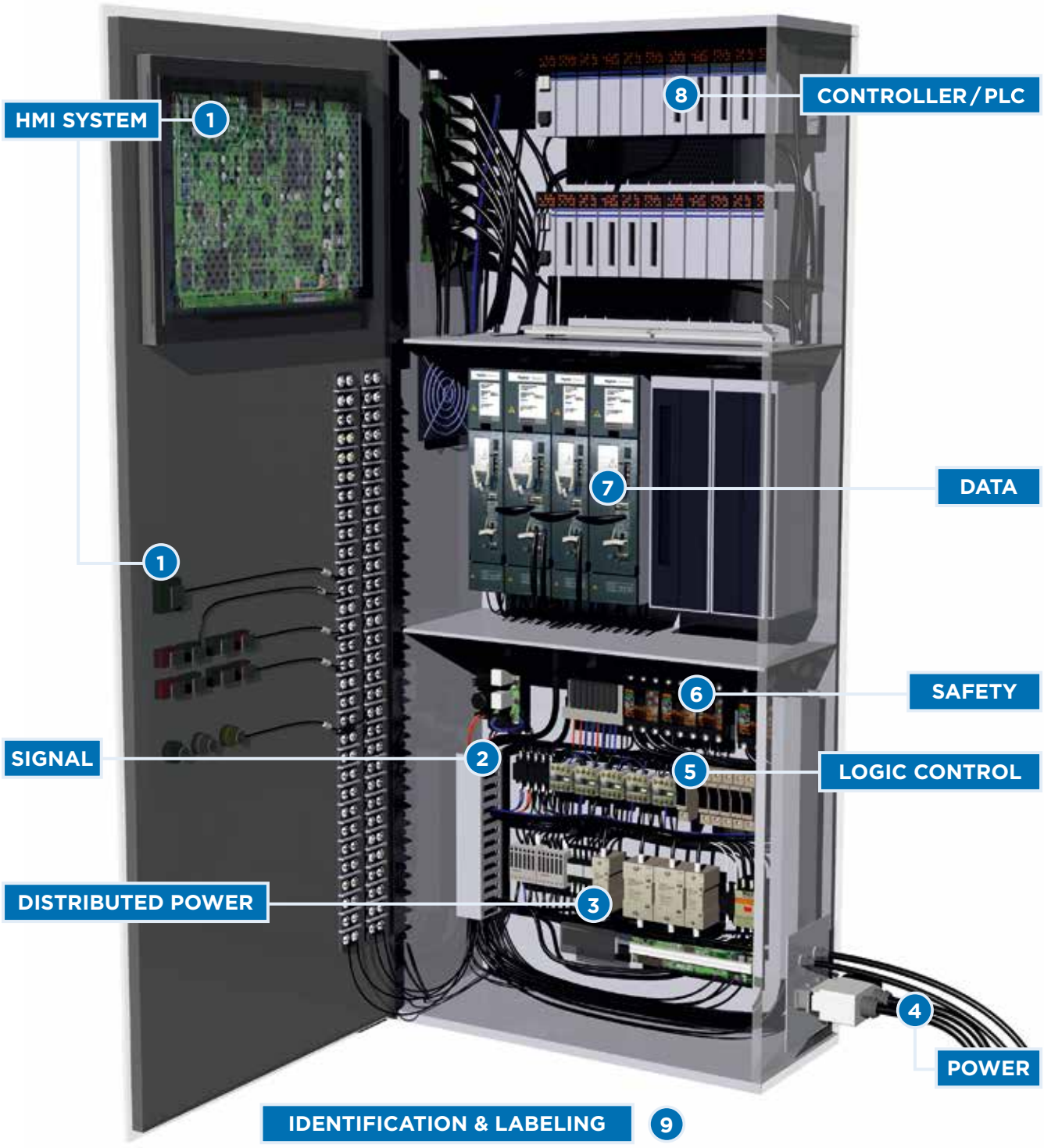
TE Connectivity (TE) is your industrial control solution provider for electromechanical and electronic components. Whether you are designing a new system or retrofitting an existing system, this solutions guide will help you select the required components with easy access to additional online information through te.com. TE's reliable, quick to install and industry-proven components will help you save on machine maintenance costs and downtime.

tti®

TE connectivity

Authorized Distributor

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 Signal/Data Communications	Environmental Sealing	High Vibration Performance	Thermal Performance	Protection Against Mechanical Shock	Wire Management	Space Savings Design	
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 USB Connectors	1.5		●	●	●	●	●			UL, CSA, Industry*, Mil
	Knobs	N/A									N/A
	Precision Resistors	Refer to the featured product section for more 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 Industrial Cordsets & Connectors	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 Assemblies[2]	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
5	**LOGIC CONTROL**										
	Contactors	120									UL, RU, CSA, Industry*
	Relays	50			●		●			●	RU, CSA, UL, VDE, Industry*
	Timers	10									RU, CE, UL, CSA
	Tranformers	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 Assemblies[2]	N/A	●	●	●	●	●	●	●	●	UL, CSA, VDE
	Industrial Ethernet Products	0.5	●	●	●	●	●	●	●	●	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*

[1] May vary based on application and product selection
[2] Solves the same problems as the applied interconnect

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)

Featured Products

Industrial USB Connectors

- Minimize downtime during equipment transfer with secondary locking feature
- Supports 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

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

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

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

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 mismating with keyed housings

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

M8/M12 Industrial Cordsets & Connectors

- Enable equipment interoperability through use of standard industrial interfaces
- Industrial Ethernet solutions ranging from 100Mb through 10Gb speeds
- Improve field termination time using factory made overmolded cable assemblies

Featured Products

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

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

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

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

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

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

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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