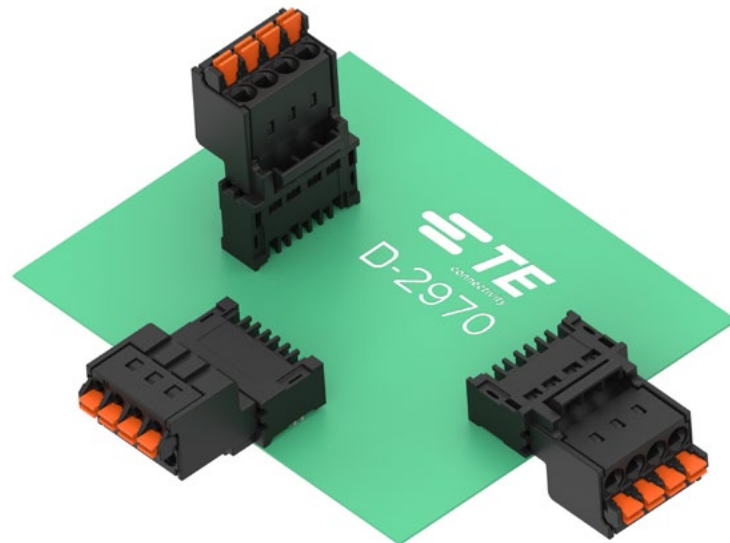


# INTRODUCING

# D-2970 DYNAMIC SERIES

- The push-in clamp and single-hand-operating center-locking lever – both designed to require no tooling – make it possible to cut mating time by up to 90% compared with connectors using screw-latch locking systems.
- The center-locking lever has clear tactile and audible mating feedback to ensure safe mating.



D-2970 Dynamic Series is a compact 5-mm pitch wire-to-board PCB connector with field-installable, time-saving push-in clamp termination.

## KEY BENEFITS

- Toolless wire release is also possible, thanks to the 50% lower insertion force, which allows users to release the wire without injuring their fingertips.
- All designs of male header mate with the same female plug, providing electronics designers flexibility.
- The new D-2970 PCB connector family is a powerful addition to TE's well-known Dynamic Series and is fully equipped to meet our customers' high standards regarding installation and application safety, also saving valuable process time and application space.
- The D-2970 will be fully compliant with UL and IEC regulations and extensively tested at UL and VDE certified laboratories, supporting customer approval processes.

## APPLICATIONS

- Servo Drive/Inverter Drive Power inlet/outlet.
- Industrial Microcontrols.
- Robot and Cobot control units.
- PLCs Power inlet/outlet.
- Controls in building automation and household appliances.

## ELECTRICAL

- Voltage and Current (**UL1059**)
  - Voltage (Application B): 300V AC/DC
  - Voltage (Application D): 51-150V AC/DC 15A Max.
  - Voltage (Application D): 151-300V AC/DC 10A Max.
- Voltage (**IEC61984 / IEC60947-7-1**)
  - Voltage (Pollution Degree:2 , Protection Class:II ) : 400V AC/DC
  - Voltage (Pollution Degree:2 , Protection Class:III ) : 320V AC/DC
  - Voltage (Pollution Degree:3 , Protection Class:III ) : 250V AC/DC

- Current (**IEC61984 / IEC60947-7-1**)

- Up to 26A per pole @ 20°C ambient temperature (further derating pending on position number to be considered)
- Up to 20A per pole @ 55°C application ambient temperature (further derating pending on position number to be considered)

## MECHANICAL

- Applicable Wire size
- Solid AWG 24-16 / 0.2-1.5 mm<sup>2</sup>
- Stranded / flexible AWG 26-14 / 0.13-2.5 mm<sup>2</sup>

## SPECIFICATIONS

- Product specification [108-140223](#)
- Instruction Sheet [408-78171](#)
- Product: UL1059, IEC 61984

## MATERIALS

- Female Housing: PBT
- Male Housing: LCP
- Clamp: stainless steel
- Contact: copper alloy
- Plating: tin over nickel

## FEATURES

- Audible and tactile locking latch
- Robust housing
- Contacts that support shock- and vibration-exposed applications

## LEARN MORE

[D-2970 Dynamic Series Landing Page](#)  
[D-2970 Dynamic Series Product Flyer](#)  
[D-2970 Dynamic Series Product List](#)  
[D-2970 Dynamic Series Presentation](#)