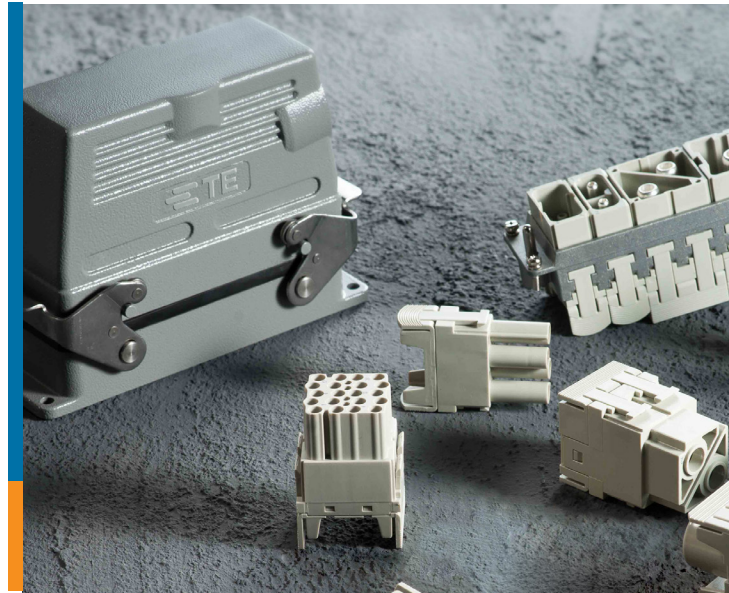


INTRODUCING HEAVY DUTY CONNECTORS (HDC)

- Build custom configurations with modular inserts and a variety of housings
- Design for reliable performance under the most demanding operating and environmental conditions



TE Connectivity (TE) introduces Heavy Duty Connectors (HDC), a connectivity solution for harsh environments. The Ingress Protection rating of up to IP69K and 1000 hours corrosion resistance test approval ensure long lasting performance by providing longer machine uptime, quick installation, and protection against environmental hazards including water, dust, chemicals, temperature, vibration, mechanical shock and high pressure. Due to its modular design, heavy duty connectors can help to reduce space requirements in applications providing highly customizable solutions. By combining products from TE's portfolio of cable fittings, hoods, contacts, male or female inserts and housings, HDC can be assembled to almost any configuration for heavy duty applications.

BENEFITS

- Provide long lasting performance with IP 69K & 1000 hours salt spray corrosion testing approval
- Design for reliable performance under the most demanding operating and environmental conditions with a rugged connector system based on a modular design
- Build custom configurations with modular housings and a variety of components offering end users unique designs
- Reduce supply chain risks with a portfolio of industry-standardized interfaces and TE's global footprint
- Combine inserts rated at 5 -200A with IP 69 K ingress protected housing in one connector, comprising of more than 200 contacts

APPLICATIONS

- Industrial control cabinet to machine connection
- Human Machine Interface (HMI) and industrial touch panels
- Industrial handling equipment
- Connection of industrial tools
- Industrial control cabinet to robot connection
- Industrial robot connections
- Connect wind turbine nacelles with power, data & signal

ELECTRICAL

- Rated current: < 5 A ~ 650 A
- Rated voltage: up to 4 kV
- Number of pins: > 200
- Data rates: DC – Fast Ethernet (100 MBit/s)

MATERIALS

- Hoods and housings: thermoplastic, zinc-die cast, aluminum die-cast
- Inserts: thermoplastic
- Contacts: copper alloy, silver or gold plated

MECHANICAL

- Degree of protection: IP 65, IP 68 and IP 69 K
- Corrosion resistance: according to DIN IEC 68 T2-52 and ASTM B117-09 > 1000h
- Operating temperature: - 40° C to 125°C

STANDARDS & SPECIFICATIONS

- IEC 664/664A
- VDE 0110
- VDE 0627
- DIN EN 175 301-801
- DIN EN 60664-1
- DIN EN 61 984

LEARN MORE

[Heavy Duty Connectors Landing Page](#)

[HDC Press Release](#)

[HDC Inserts and Housings Product Selector Page](#)

[HDC Hoods Product Selector Page](#)

[HDC Contacts Product Selector Page](#)

[HDC Accessories Product Selector Page](#)

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[HDC Parts List](#)

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