

INTRODUCING

HDC HCM 250 & 350

- Achieve longer service life due to reliable aluminum alloy housing with durable structure
- Providing reliable connection in harsh outdoor environment with IP68 protection degree



Heavy duty connectors (HDC) from TE Connectivity (TE) have excellent and reliable performance in harsh environments. They are mainly used for data, signal, or power connection between different devices or functional units, the modular and standard interface can maximize application efficiency. Heavy duty connectors can be widely used in different industrial environments.

TE's HCM high-current series together with IP68 hoods/housings can easily satisfy the high current requirements in harsh environments. The HCM series has a maximum current of up to 350 A, the contact position is selectable from 1 to 4, and the IP68 housing can provide a stable and reliable environmental protection (Salt-spraying time of up to 500 hours is provided). This solution can easily meet customer's high current needs in harsh environment. Please be aware that these products are only available in EMEA and Americas region only. The products will be available in ASIA shortly.

KEY BENEFITS

- Achieve longer service life due to reliable aluminum alloy housing with durable structure
- Providing reliable connection in harsh outdoor environment with IP68 protection degree

APPLICATIONS

- New Energy
- Rail
- Power

MATERIALS

- Hoods/Housings: Aluminum alloy
- Seals: Rubber, conductive rubber
- Materials of locks/fasteners: stainless steel (screw locking)
- Surface treatment: powder coating/deactivation + powder coating (EMC series)
- Inserts: HCM250: PC (Polycarbonate) HCM350: PA (Nylon)

MECHANICAL

- High current, HCM250 - 2000 V / 250 A; HCM350 - 2000 V / 350 A
- Insert mating cycle ≥ 500
- Installation method: screw locking
- Anticorrosion hoods/housing with salt spraying resistance of 500 H
- Durable and reliable structure
- Operating temperature: -40°C - $+125^{\circ}\text{C}$

STANDARDS & SPECIFICATIONS

- EN 61984: Connectors - Safety requirements and tests
- IEC 60068: Environmental testing
- IEC 60512: Connectors for electronic equipment - Test and measurements
- IEC 60529: Degrees of Protection Provided by Enclosures (IP Code)
- IEC 60664-1: Insulation coordination for equipment within low-voltage systems (Part 1)
- EN 61373: Railway application - Rolling stock equipment - Shock and vibration test