

INTRODUCING

HMN DATA AND POWER/SIGNAL HIGH DENSITY MODULES

- **Compatible with the existing TE HDC HMN modular system**
- **Circular shielded module**



HDC HMN modular system, designed for harsh environment and industrial applications, already offers various options for power, signal and data connections. The new addition will enable HDC HMN system to serve robotics and automation applications.

HMN D3-2/6 shielded data modules support high speed data transfers (Cat5e) and provide high signal integrity thanks to the individual shielding of each ethernet pair.

Available in configurations with two or six contacts in each circular insert and with up to three inserts in a single HMN module, they enable high density of ethernet connection in the smallest module size.

Providing fast real-time connections and compatible with TE's existing HMN modular system, the new HMN solution can be used to provide complete customized interface for hybrid cable connections between control cabinets and robots or movable parts of the automation line.

KEY FEATURE

- **HMN-D3-2/6-M/F Shielded data module:**
 - Cat5e data element
 - **Rated Current:** 1.2A
 - **Voltage:** 30V
 - **Pollution Degree:** III
- **Operation Temperature:** -20°C ~+125°C
 - Crimped termination for conductors of 0.14 mm² up to 1.0 mm² for 2P module and 0.03 mm² up to 0.34 mm² for 6P module
- **HMN high density power / signal module**
- **Power:**
 - **Rated Current:** 40A
 - **Voltage:** 830V
 - **Temperature range:** -40°C ~+125°C
 - **Protection Degree:** 3
 - **Overvoltage Category:** III
 - Crimped termination for conductors 1.0 mm² up to 6.0 mm²

KEY BENEFITS

- **HMN-D3-2/6-M/F shielded data module:**
 - Possible configuration of 2 and 6 contacts in 1 insert
 - High signal integrity due to individual shielding of each ethernet pair
 - More efficient and simplified assembly process comparing to other solutions with shielded modules
- **HMN 3/4 high density power / signal module:**
 - Robust and space efficient combination of high power and signal connection in a single module
 - Compatible with the existing TE HDC HMN modular system

APPLICATIONS

- **Robotics:**
 - Data connections
 - Motor and break systems
 - Digital feedback
- Automation
- Machinery

ELECTRICAL

- **IEC 60512:** Connectors for electronic equipment - Test and measurements
- **EN 60352-2:** Solderless connections - **Part 2:** Crimp connections - General requirements, test methods and application guidance
- **IEC 60512:** Connectors for electronic equipment - Test and measurements

MECHANICAL

- **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)

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[HDC HMN modular system Parts List](#)
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