



HARTING®

Product Line Card

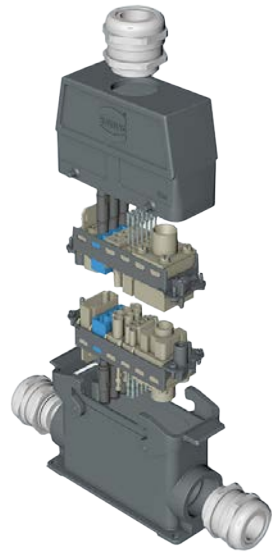


HARTING manufactures connectors and cabling solutions for industrial applications. The company is well-known for its Han® Connector, an extremely robust and reliable rectangular connector solution with standard and modular insert options, a large range of sizes and hoods and housing options with protection ratings from IP20 to IP69K.

HARTING also manufactures a wide range of board-level/PCB connectors, interface (or I/O) connectors, metric circular connectors and cordsets, Ethernet connectors and switches and charging cables for e-mobility. Currently, HARTING is driving the development and standardization of industrial single pair Ethernet with organizations like IEEE, IEC, ODVA and TIA.

Reach your local sales team at 1.800.CALL.TTI

Han® Industrial Rectangular Connectors



Hoods and Housings:

- IP20 to IP69K
- Metal and plastic material options
- Locking options: lever, screw, push button, snap-in
- Hood and housing options: bulkhead, cable-to-cable, panel-feed through, screw mounted and surface mounted

Inserts:

- Monoblock and modular options
- Power inserts:
 - Current: .5 Amps to 650 Amps
 - Voltage: 16V to 4,000V
- Data rate inserts: 10Mbit/s to 10Gbit/s
- Termination options: screw/axial screw, crimp, cage clamp, IDC, quick lock, push-in spring cage
- High mating cycles options available

Highlighted Han® Series



Han-Modular®

With the Han-Modular® Mixed Media Series, engineers can design custom connectors using standard, off-the-shelf modules. By combining multiple connections into a single connection point, engineers can reduce space and simplify installation. These connectors can be used in nearly every application and industry.



Han-Eco®

This range of thermoplastic hoods and housings offers a lighter-weight, economical option compared to traditional metal hoods and housings. With an IP65/66 rating and corrosion resistance materials, this connector can be used in a large range of applications, including outdoors (using special outdoor versions).



Rear-Fit Panel Connectors

Han-Eco® and Han® Rear-Fit Panel Connectors are ideal for panel cabinet manufacturers. This connector series allows the insert to be installed from the inside (rear) of the cabinet rather than needing to be fed through the front, making installation much quicker.



Han® 1 A

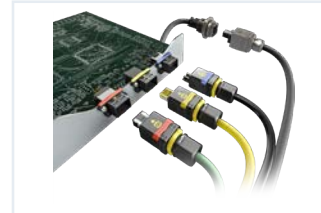
The smallest connector in the Han® Series is a multipurpose connector for subsystems and devices that require a small connection point. The system is based on a modular concept and offers a variety of inserts, locking mechanisms, hoods and housing.

Highlighted Interface Connectors



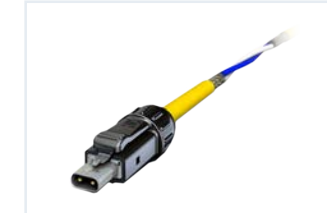
Metric Circular Connectors and Cordsets

HARTING offers a full range of metric circular connectors and cordsets in sizes M8, M12, 7/8", M17 and M23 with coding options A, B, D, L, S, X and Y.



HARTING PushPull Connectors

The HARTING PushPull Connector has an internal locking mechanism that provides an audible click when secured. It is available in rectangular and metric circular (M8 and M12) options.



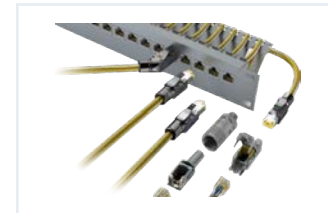
T1 Industrial for Single Pair Ethernet (SPE)

The T1 Industrial is the standard mating face for industrial SPE, which allows the transmission of power and Ethernet up to 1 Gbit/s data over just one twisted pair of wires and supports PoDL.



ix Industrial® for Miniaturized 2-4 Pair Ethernet

The ix Industrial® is used for the transmission of 2-4 pair Ethernet and is 75 percent smaller and more robust than the RJ45. This connector supports Power over Ethernet.



RJ Industrial®

The RJ Industrial® is a IP20-rated RJ45 solution for industrial Ethernet. The connector uses IDC termination, meaning it can be terminated in the field without the use of specialized tools.



preLink®

The preLink® is based on a termination block the user wires separately and then snaps securely into one of seven mating profiles. This innovative system enables future-proof designs.



M12 Magnetics

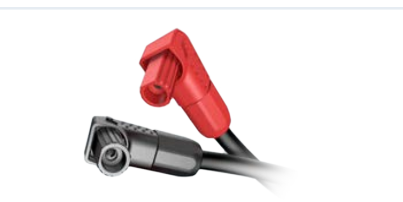
This innovative product combines the functions of an M12 Connector with the transformer, while protecting chips by means of galvanic separation. HARTING M12 Magnetics save up to 30 percent board space by eliminating components such as capacitors and resistors.



D-Sub

HARTING offers a large range of D-Sub Connectors and shell housings. The range includes standard, surface-mount, mixed, waterproof and filtered.

Highlighted PCB Connectors



Han® S

The Han® S was developed specifically for battery storage applications. These connectors offer up to 200A and 1500V power transmission, feature recessed and insulated conductive elements for finger-protection and offer a variety of color and keying options.



Han® HPR

This series is ideal for harsh outdoor environments, especially where water, dust, snow and ice are concerns. Featuring corrosion resistant hoods and housings, IP69 rating and a screw locking mechanism, these connectors are used extensively in applications like transportation.



Han® F+B

The Han® F+B is an IP69K circular connector developed specifically for food and beverage applications and washdown environments. Its circular shape prevents debris from getting caught.



har-flex®

The har-flex® Series is a general purpose, rugged PCB connector. The standard har-flex® Series has a 1.27mm pitch and is available in all even-pin counts 2-100. The power versions were designed for transmission of high currents between 12-26A and use a 2.54mm pitch. The hybrid connectors offer the combination of power and signal contacts in one connector. The entire family allows engineers to miniaturize a PCB.



har-Modular®

The har-Modular® Series is a modular PCB connector concept based on the DIN 41 612 footprint. Engineers can design a custom PCB connector using a variety of off-the-shelf modules.



DIN 41 612®

HARTING offers the largest portfolio of DIN 41 612 Connectors including power, signal, hybrid, half and one-third sizes.

HARTING connectors are used in nearly every harsh industrial environment and mission-critical application and are known globally for exceptional reliability and high quality.

Common Applications



Wind Energy



Panel Cabinet Manufacturers



Small Connection Points



Battery Storage



Transportation



Food and Beverage



Ethernet



Control Cabinet



HARTING was established in 1945 in Espelkamp, Germany, by Wilhelm Harting. His goal was simple: manufacture useful technical products for the industry emerging in Germany. In 1965, they invented the rectangular connector after recognizing the need for an alternative to circular Mil Spec connectors. Since then, the HARTING Han® connector has becoming the standard for industrial connectivity worldwide.

In 1986, HARTING decided to cross the Atlantic and opened HARTING Americas right in the U.S. heartland, less than 50 miles outside of Chicago. HARTING Americas continued to expand, opening sales and manufacturing facilities in Canada, Mexico and Brazil.



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