



Molex's line of HMC Heavy Duty Rectangular Connectors offer a unique new design and user-friendly features compared to traditional-style Heavy Duty connectors for robotic and other industrial applications.

HMC has been designed with many features that make this product unique and an ideal connector for many applications requiring a rugged, high pin count solution. The crescent-shaped metal hoods provide space savings and easy handling. A spring lock enables the lever to be easily engaged and held firmly in place for a secure connection when parts are mated. Terminal housings are inserted and removed from the back side of the plug and receptacle shells, providing a cost savings on back side harnessing. The terminal housings also include a unique locking feature that eliminates the need for screws, special hardware or tools during installation or removal. Both connector systems are environmentally sealed with an IP65 rating to prevent the ingress of dust and water when mated.

To make a fully mated HMC connection, the following components are required:

Plug (cable mount):

- Male or female crimp terminals
- Male or female terminal housing
- Plug shell assembly
- Plug cover
- End bell cap assembly

Receptacle

(cable or panel mount):

- Male or female crimp terminals
- Male or female terminal housing
- Receptacle shell assembly
- Receptacle cover (for cable mount configuration)
- End bell cap assembly (for cable mount configuration)

Features and Benefits

Unique rounded-shape metal hood with single action lock for space savings and easy handling

Easy removal of terminal housings for fast and easy field servicing

Single or multi-module type (HMC only) for maximum design flexibility

Die cast covers and shells protect the inner housing from damage resulting from rough handling

Flexible housing configurations enable various configurations for power and signal applications

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Applications

Industrial Automation
 - Industrial equipment
 - Robotics

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Ordering Information

Terminals

	AWG:	Packaging	Order No.
Male	22-28	Reel	39-00-0432
		Loose	39-00-0433
	18-24	Reel	39-00-0430
		Loose	39-00-0431
	14-16	Reel	50638-9028
		Loose	50638-9128
Female	22-28	Reel	39-00-0434
		Loose	39-00-0435
	18-24	Reel	39-00-0428
		Loose	39-00-0429
	14-16	Reel	50637-0028
		Loose	50637-0128

Housings

	Circuits	Order No.
Male	6	51192-0600
Female		51193-0600
Male	8	51194-0800
Female		51195-0800
Male	12	51203-1200
Female		51204-1200

Shell Assemblies

Type	Circuits	Polarization:	Order No.
Plug	36	A	58687-0010
		B	58687-0020
	48, 72	A	58721-0010
		B	58721-0020
Receptacle	36	A	58691-0010
		B	58691-0020
	48, 72	A	58719-0010
		B	58719-0020

Covers

Type	Circuits	Orientation	Order No.
Plug	36	Vertical	58696-0010
		Right Angle	58696-1010
	48, 72	Vertical	58723-0010
		Right Angle	58723-1010
Receptacle	36		51201-0001
	48, 72	Vertical	51202-0001

End Bell Cap Assemblies

Wire Size (mm)	Circuits	Order No.
14-18	36	58550-0000
17-21		58550-0001
20-25		58550-0002
24-28		58550-0003
29-33	48, 72	58866-0000
24-28		58866-0001
14-18		58866-0002
20-25		58866-0003