

The sealed Mini-Fit H20™ IP67-rated system with pre-installed, integrated interface and wire seals meet the need for weatherproof, compact connections in wire-to-wire applications up to 9.0A per circuit and contribute to lower applied costs compared to connectors with manually installed seals

The Mini-Fit H20™ mid-range power connector is designed for use in weatherproof applications that require a sealed system. The Mini-Fit H20 connector system is IP67-rated, which ensures connector integrity when submersed in up to one meter of water. The Mini-Fit H20 connector has a small overall profile and can handle up to 9.0A per circuit.

The Mini-Fit H20 product family consists of plug and receptacle assemblies and male and female crimp terminals. The plug and receptacle assemblies are provided with the interface and wire seals preinstalled, providing time savings to the customer. The terminals have a new "wingless" design that will not damage seals upon installation or removal. Terminals will accept both 18 and 20 AWG, UL 1015 wires.

The Mini-Fit H20 housings are molded from a UV-stabilized, UL 94V-0 material. The Mini-Fit H20 connector is the latest addition to the Mini-Fit product family.

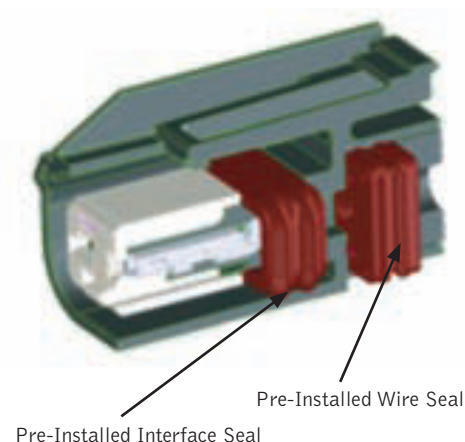
For more information on Molex's extensive Mini-Fit product offering, visit: www.molex.com/link/MiniFitH20.html

FEATURES AND BENEFITS

- IP67-rated connector ensures a water and dust-tight interconnection for use in outdoor applications
- Receptacle and plug housings are shipped with interface and wire seals pre-installed to lower applied cost by reducing installer assembly time
- Positive-locking system ensures the connectors are securely mated and prevents accidental un-mating
- UV-stabilized, molded materials can be used in applications exposed to direct sunlight
- Can be used with 18 and 20 AWG wires and accommodate multiple applications
- Small overall profile for use in tight spaces

Mini-Fit H20™ Sealed Interconnect System 4.20mm (.165") Pitch

- 46055 Female Terminal
- 46056 Male Terminal
- 46064 Receptacle Assembly
- 46065 Plug Assembly



SPECIFICATIONS

Reference Information

Packaging:
Terminals: Reel and Bag
Assemblies: Bag
UL File No.: E29179
CSA File No.: 1068385

Electrical

Voltage (max.): 600V
Current (max.): 9.0A per circuit

Physical

Housing: Polyester, UL 94V-0
Contact: Copper (Cu) Alloy
Plating:
Contact Area:
Tin or 30μ" Select Gold (Au)
Operating Temperature: -40 to +105°C

Mechanical

Contact Insertion Force: 15N (3.372 lb)
Contact Retention to Housing:
20N (4.496 lb)
Mating Force:
Tin (Sn): 11.1N (2.495 lb) max.
Gold (Au): 4.4N (.989 lb) max.
Unmating Force:
Tin (Sn): 2.2N (.495 lb) min.
Gold (Au): 1.0N (.225) min.
Durability:
Tin (Sn): 75 cycles min.
Gold (Au): 100 cycles min.

APPLICATIONS

- Vending
 - Drink dispensers
 - Food service equipment
- Automotive / Motorcycles
- Medical
- Industrial Equipment
 - Outdoor lighting
 - Conveyor-belt controls
- Outdoor Entertainment
 - Hot tubs
 - Swimming pools
- Recreation Vehicles
 - ATV
 - Golf carts
 - Boats
 - Jet skis and snowmobiles
- Material Handling Equipment
 - Forklifts
 - Agricultural equipment



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46055 Female Terminal

46056 Male Terminal

46064 Receptacle Assembly

46065 Plug Assembly



ORDERING INFORMATION

Receptacle and Plug Assembly

Order No.	Component	Circuits
46064-0032	Receptacle	2
46065-0032	Plug	

Receptacle and Plug Assembly

Order No.	Gender	Plating	Packaging
46055-0005	Female	Tin	Reel
46055-0006		30μ" Select Gold	
46056-0002	Male	Tin	
46056-0003		30μ" Select Gold	
46055-0007	Female	Tin	Bag
46055-0008		30μ" Select Gold	
46056-0004	Male	Tin	
46056-0005		30μ" Select Gold	

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