

# HRS DF62W Series Wire-to-Wire Connectors



## ● Features

1. Slim design with smooth contours work well inside confined spaces
2. Water resistant
3. Secure, positive lock with tactile click and visible lock confirmation
4. 2-point contact structure is both highly reliable and vibration resistant
5. Easy assembly procedure
6. Pin count variations available in 2, 3, 4, 6 and 9 positions
7. UL pending



## ● Compact Size

### Multi-Row Pin Layout

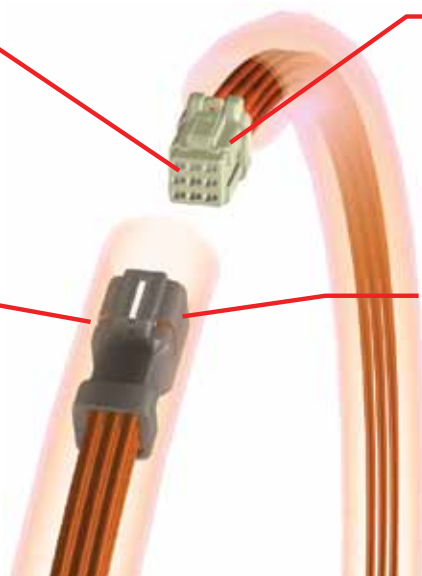
The contacts are arranged in a grid pattern, producing a reduced diagonal cross section.

### No Exposed Metal

Plastic housing reduces the chance of accidental conduction on the inside of metal conduits.

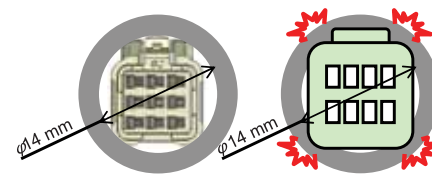
### Smooth Contour

The smooth outer shape of the connector is rounded to reduce the chance of it being caught inside conduit during wiring.



The DF62W is smaller than comparable connectors from other suppliers.

[DF62W (9 Pos.)] [Other Suppliers' (8 Pos.)]

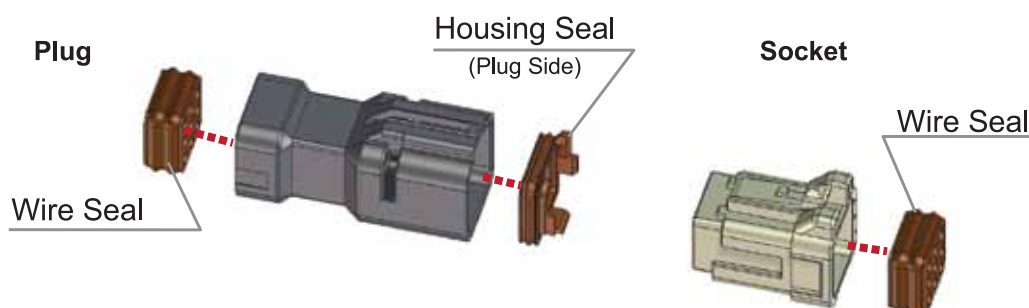


Max. Diameter:  $\phi 13.3$  mm

$\phi 14.7$  mm

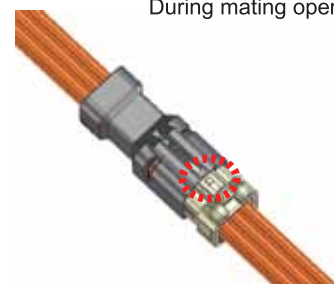
## ● Water Resistant with Easy Locking

(Seals are pre-assembled in the housings)



### Positive Locking, Visible Check

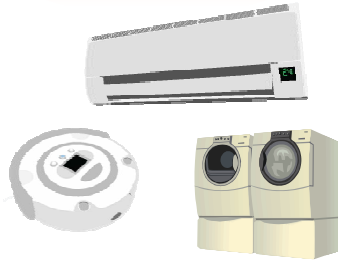
During mating operation



- Clear Tactile Click
- Secure Lock Strength
- Lock Position is Visible

## ● Applications

### Home Appliances



### Robotic Arms



### LED Lighting

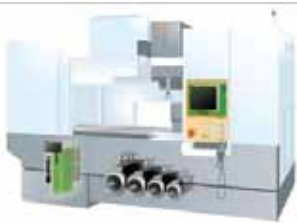


### Bikes



### Machinery

e.g, Food Processing



### Security Systems

e.g. Electronic Locks



### Automatic Ticket Gates



### Medical Devices



## ● Specifications

### ■ Material and Finish

Item		Material	Finish
Housing	Plug	PBT	UL94V-0, Black
	Socket	PBT	UL94V-0, White
Housing Seal		Silicone Rubber	Reddish brown
Wire Seal			
Crimp Contact		Phosphor Bronze	Tin plating

### ■ Performance Characteristics

Operating Temperature Range	-35 to +105 °C (Includes temperature rise caused by current flow)
Rated Voltage	AC/DC 250 V
Rated Current	#22 AWG: 3 Amps, #24 AWG: 2 Amps, #26 AWG: 1 Amp
Insulation Resistance	1000 MΩ Min. (DC 500V)
Contact Resistance	30 mΩ Max. (1mA)
Withstanding Voltage	AC 650 V for 1 minutes
Mating Cycles	30 times

### ■ Available Number of Positions

2, 3, 4, 6 and 9 pos. (Products under development are included)

### ■ Applicable Tool

Applicator (AP105-DF62W-2226), Press Unit (CM-105),  
Hand Crimp Tool (HT801/DF62W-2226 ), Contact Extraction Tool (DF62W/RE-MD)

### ■ RoHS compliant

# AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct     +86 (21) 6401-6692  
  
Email        amall@ameya360.com  
  
QQ            800077892  
  
Skype        ameyasales1 ameyasales2

➤ Customer Service :

Email        service@ameya360.com

➤ Partnership :

Tel            +86 (21) 64016692-8333  
  
Email        mkt@ameya360.com