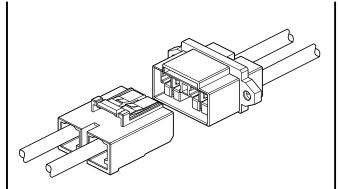


# FAH CONNECTOR

# 1.6 mm pitch/Disconnectable Crimp style Wire-to-wire connectors



This is a one-touch detachable connector for wire-to-wire connection with a maximum rated current of 50 A (when AWG #8 wire is applied).

Male and female contacts of this connector are designed as the same shape, and finger protection is realized for both the tab housing and the receptacle housing.

- Finger protection
- · Prevention of false mating
- High reliability

### ■ Standards

Recognized E 60389

△:J50343864

## Specifications

- Current rating:
- \* The following table shows the rated current when applying to all circuits with each combination of the number of circuits and the wires used.

Current unit: A (AC/DC)

No. of circuits	Applicable wire size			
No. of circuits	AWG#8	AWG#10		
1	50	35		
2	50	35		

- Voltage rating: 600 V AC/DC
- Temperature range: -25°C to +85°C

(including temperature rise in applying electrical current)

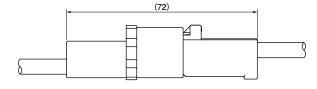
· Contact resistance:

Initial value/ 2 m $\Omega$  max. After environmental tests/ 5 m $\Omega$  max.

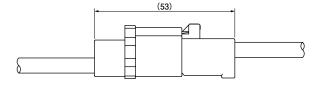
- Insulation resistance: 100 M  $\Omega$  min.
- Withstanding voltage: 3,000 VAC/minute
- Applicable wire: AWG #10 to #8
- \* In using the products, refer to "Handling Precautions for Terminals and Connectors" described on our website (Technical documents of Product information page).
- \* RoHS2 compliance
- \* Dimensional unit: mm
- \* Contact JST for details.

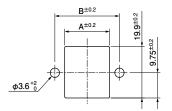
#### Assembly layout and Panel layout

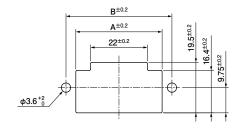
<Single circuit>



<2 circuits>



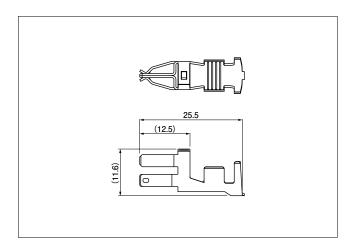




No. of	Dimensions (mm)			
circuits	Α	В		
1	17.4	25.0		
2	33.4	41.0		

- Note: 1. Punch holes in the panel according to the figures shown above. Burrs must be removed.
  - 2. The strength of the panel must be considered when punching two or more holes.
  - 3. The connector must be inserted from the same side as the hole is punched.

# Contact (Common use in Tab housing and Receptacle housing)



Model No.	Applica	ble wire	Insulation O.D.	Q'ty/	
woder No.	mm <sup>2</sup>	AWG#	(mm)	reel	
SFAH-91GC(Z)-M3	5.3	10	4.6 to 5.3	500	
SFAH-A1GC(Z)-M3	8.4	8	5.5 to 7.8	500	

#### Material and Finish

Copper alloy, nickel-undercoated, selective gold-plated

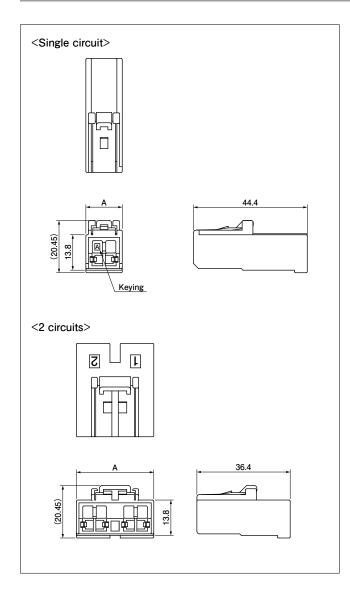
RoHS2 compliance

## Crimping machine

Contact	Crimping machine	Applicator	Crimp applicator with dies
SFAH-91GC(Z)-M3	AP-K2N	MKS-L-FAH-K2	APLMK SFAH-91-M3-K2
SPAH-91GC(Z)-WS	AP-K6A	MKS-L-FAH	APLMK SFAH-91-M3
SFAH-A1GC(Z)-M3			APLMK SFAH-A1-M3

Note: Contact JST for hand tooling and battery tooling.

## Tab housing



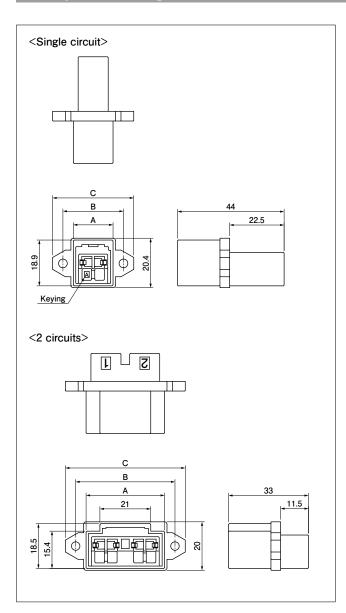
	No. of circuits	Keying	Model No.	Color	Dimensions (mm)	Q'ty/bag	
	1	Α	FAH-M01V-KL1-A	Black	14.2	500	
		В	FAH-M01V-RL1-B	Red	14.2	500	
	2	_	FAH-M02V-K	Black	30.2	400	

#### Material and Finish

Thermoplastic resin, UL94V-0

RoHS2 compliance

# Receptacle housing



No. of		Model No.	Color	Dimensions (mm)			Q'ty/
circuits				Α	В	С	box
1	Α	FAH-F01V-KL1-A	Black	16.4	25.0	33.5	400
'	В	FAH-F01V-RL1-B	Red	16.4	25.0	33.5	400
2	_	FAH-F02V-K	Black	32.4	41.0	49.5	400

#### Material and Finish

Thermoplastic resin, UL94V-0

RoHS2 compliance

- 3 -