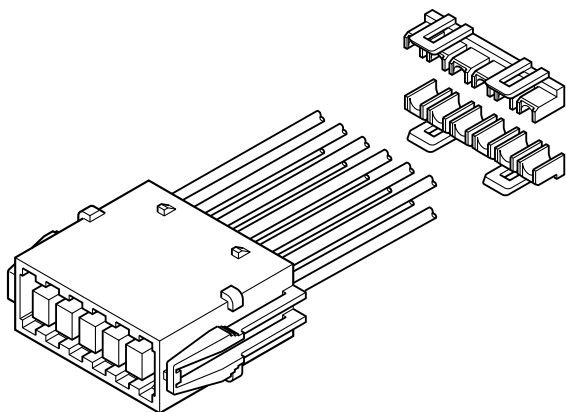
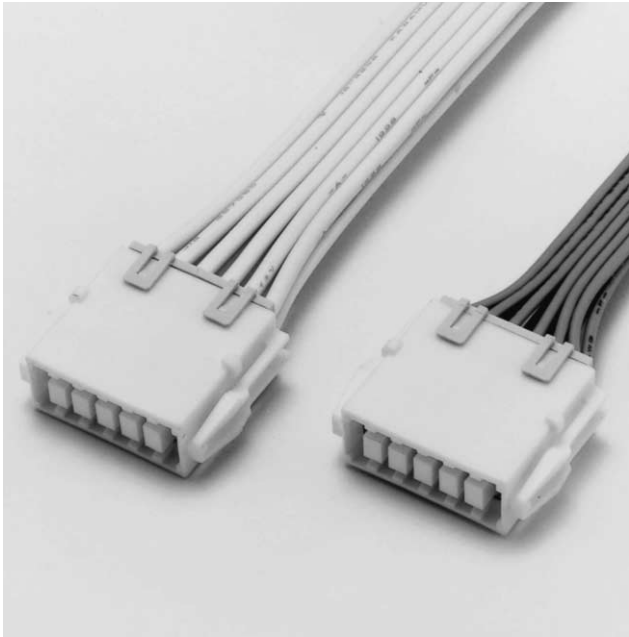


# BL CONNECTOR

Wire-to-wire connector for short-circuit connection



## Features

### • For short-circuit connection

Tab contacts for short-circuit connection are to be mounted in the housing.

### • Housing lance

The resilient plastic housing lances secure the contacts in the housing. Since the lances are in the housings rather than on the contacts, they are not affected by handling, and allow the contacts to be lightly inserted without undue force. This establishes a feeling of uniform insertion and a noticeable change in that feeling when insertion is completed.

### • Secondary retainers

The secondary retainers enhance safety in case of partial insertion or accidental release of the contact. Even if a contact is inserted incompletely, the retainer guides the contact to the proper position and securely locks it in place.

### • Panel lock construction

Our unique compact panel lock is designed to prevent tangling with wires and accidental breakage because of handling.

### • Tab contact built-in type is available

Connectors with contacts already built-in can be supplied too. Place orders with model numbers exclusively allocated to them.

## Specifications

- Current rating: 7A AC, DC max./ line
- Voltage rating: 300V AC, DC max.
- Temperature range: -25°C to +90°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/7m Ω max.  
After environmental testing/10m Ω max.
- Insulation resistance: 1,000M Ω min.
- Withstanding voltage: 1,500V AC/minute
- Applicable wire: AWG #22 to #18  
0.3 to 0.75mm<sup>2</sup>
- Applicable panel thickness: 0.7 to 2.0mm (.028" to .079")
- \* Contact JST if Lead-Free product is required.
- \* Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- \* Contact JST for details.

Note: The current rating varies depending on the number of circuits and the wire size used in each connector. The table below lists the current rating as a function of the number of circuits and wire size.

Current unit: A

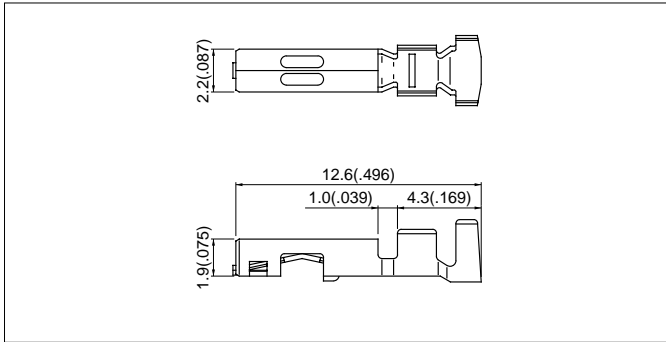
Circuits	Wire size (AWG)		
	#18	#20	#22
8,12	7	5	4

## Standards

- Ⓡ Recognized E60389
- Ⓢ Certified LR20812
- Ⓛ File No.R9651159

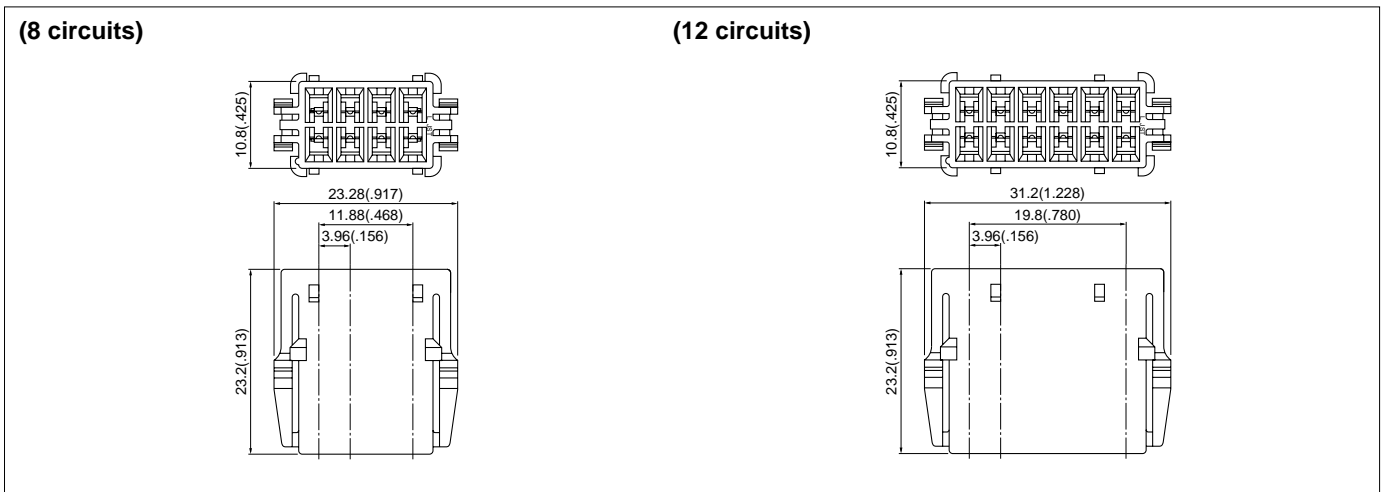
# BL CONNECTOR

## Contact



Model No.	Applicable wire			Q'ty / reel
	mm <sup>2</sup>	AWG #	Insulation O.D. mm(in.)	
<b>SSF-21T-P1.4</b>	0.3 to 0.75	22 to 18	1.5 to 2.2 (.059 to .087)	6,000
Material and Finish				
Phosphor bronze, tin-plated				

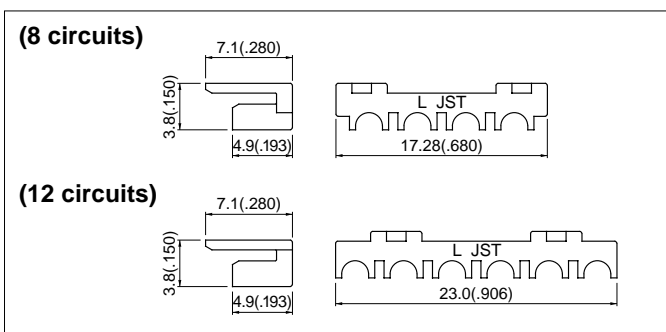
## Housing



Circuits	Model No.	Q'ty / bag
8	<b>BL-08V</b>	100
12	<b>BL-12V</b>	100

Material		
Nylon 66, UL94V-0		

## Retainer

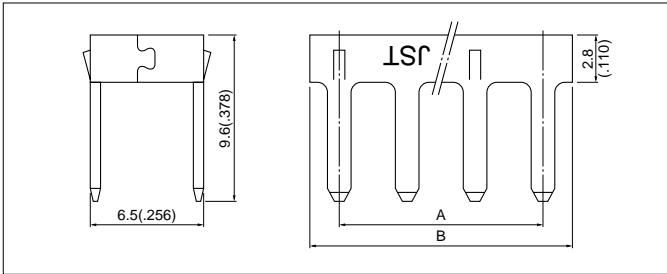


Circuits	Model No.	Q'ty / bag
8	<b>HLS-08V</b>	1,000
12	<b>HLS-12V</b>	1,000

Material		
Glass-filled nylon 66, UL94V-0		

# BL CONNECTOR

## Tab contact



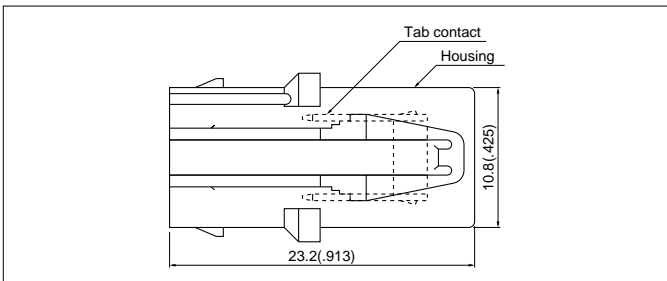
Circuits	Model No.	Dimensions mm(in.)		Q'ty / box
		A	B	
8	<b>BLT-08T-0.5</b>	11.88 (.468)	15.08 (.594)	500
12	<b>BLT-12T-0.5</b>	19.80 (.780)	23.00 (.906)	250

### Material and Finish

Brass, tin-plated

Note: Contact JST for the jig to mount the tab contact onto the housing.

## Tab contact built-in product



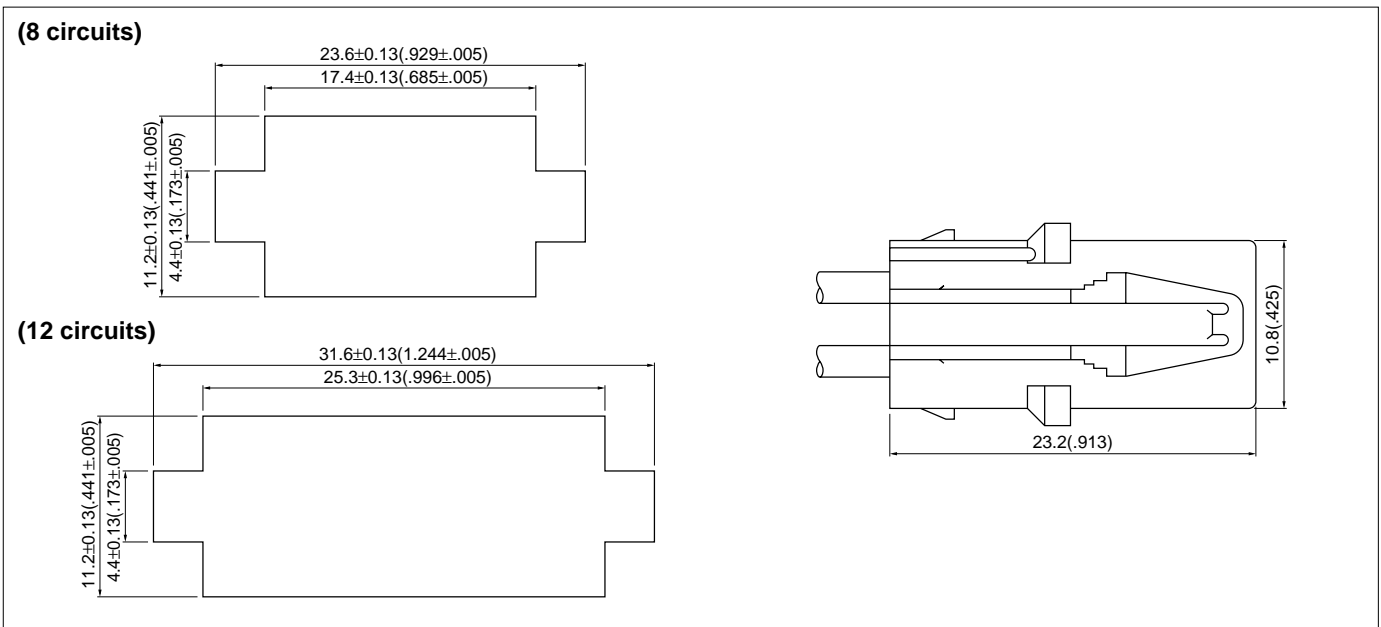
Circuits	Model No.	Q'ty / box
8	<b>BL-08V ST</b>	100
12	<b>BL-12V ST</b>	100

### Material and Finish

Housing: Nylon 66, UL94V-0  
Tab contact: Brass, tin-plated

Note: The above housings are tab contact built-in product.

## Panel layout and Assembly layout



Note:

1. Punch holes in the panel according to the sketch and table 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.

## Applicator for the semi-automatic press AP-K2N

Contact	Crimp applicator MKS-L		Compact crimp applicator MKS-LS		Strip-crimp applicator MKS-SC
	with safety cover	without safety cover	with safety cover	without safety cover	with safety cover
<b>SSF-21T-P1.4</b>	APLMK SSF/M21-14	APLNC SSF/M21-14	-	-	-