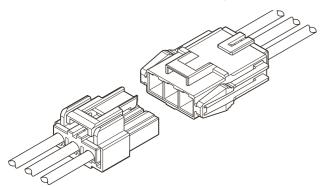


L CONNECTOR (HIGH CURRENT TYPE)

6.2mm pitch/Disconnectable Crimp style connectors Wire-to-wire connectors (Combined use for both wire-to-wire and wire-to-board connections)



This VL connector is 6.2 mm pitch wire-to-wire and wire-to-board connector, designed for large current. The connector suitable for the large electric current has been realized by using highly-conducting material, so that the connection of large current circuit enables.

- Housing lances
- Retainer
- Suited for large carrent
- Panel lock

Standards -

Recognized E60389

⑥ Certified LR20812

△ R9351103

Specifications -

• Current rating: 23 A AC, DC (Refer to the following table.)

Voltage rating: 600 V AC, DC

• Temperature range: -25°C to +90°C

(including temperature rise in applying

electrical current)

• Contact resistance: Initial value/ 7 m Ω max.

After environmental tests/ 10 m Ω max.

• Insulation resistance: 1,000 M Ω min.

• Withstanding voltage: 2,000 VAC/minute

Applicable wire: AWG #20 to #12

0.5 to 3.5 mm²

Applicable panel thickness: 0.5 to 2.0 mm

- * In using the products, refer to "Handling Precaution for Terminal and Connector" described on our website (Technical documents of Product information page).
- * Contact JST for details.
- * RoHS2 compliance

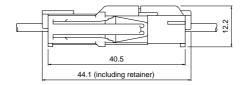
Note: The current rating mentioned above is applied only in the combination of socket contact and pin contact for high current. When either is a normal product, please be careful because the current rating of the normal product is applied.

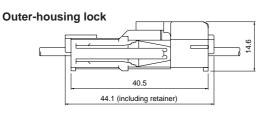
Current	unit:	Α
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No. of	Wire size (AWG)						
circuits	#12	#14	#16	#18	#20		
1	23	18	15	11	9		
2	23	18	15	11	9		
3	22	17	14	10	8		
4	21	16	13	9	8		

Panel layout and Assembly layout

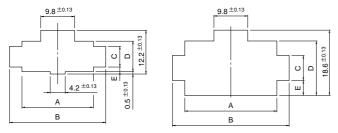
<2, 3, 4 circuits (Single-row)> Inner-housing lock



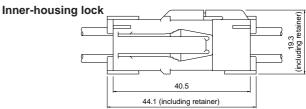


Shape I

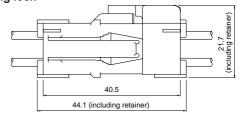
Shape II



<4 circuits (Double-row)>



Outer-housing lock

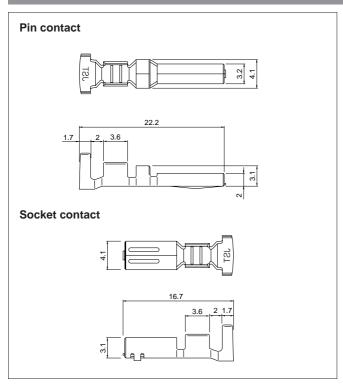


No. of circuits	Receptacle housing	Panel hole dimensions (mm) General tolerance A, B, D:±0.13 C, E:±0.1					Applicable panel	
Circuits	Model No.	shape	Α	В	С	D	Е	thickness (mm)
2	VLR-02V	I	13.8	20.6	5.7	8.5	1.4	
3	VLR-03V	I	20.0	26.8	5.7	8.5	1.4	0.5~2.0
4	VLR-04V	П	13.8	20.6	7.0	15.4	4.2	0.5 2.0
4 (Single-row)	VLR-04VN	I	26.2	33.0	5.7	8.5	1.4	

- Note: 1. Punch holes in the panel according to the figures 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.

VL CONNECTOR (HIGH CURRENT TYPE)

Contact



Mode	Applica	ble wire	Insulation	Q'ty/		
Pin contact	Socket contact	mm²	AWG#	O.D. (mm)	reel	
SVSM-61T-S2.0	SVSF-61T-S2.0	0.5~2.0	20~14	1.9~3.4		
	3437-011-32.0	0.5+0.5~ 0.75+1.25	20+20~ 18+16	1.9+1.9~ 2.1+2.7	2,000	
SVSM-81T-S2.0	SVSF-81T-S2.0	3.5	12	4.1		

Material and Finish

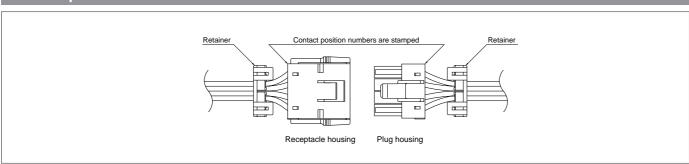
Phosphor bronze, tin-plated (reflow treatment)

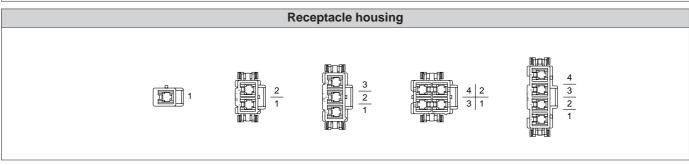
RoHS2 compliance

Contact	Crimping	Applicator				
Contact	machine	Crimp applicator	Dies	Crimp applicator with dies		
SVSM-61T-S2.0		MKS-L	MK/SVF/M-61-20	APLMK SVF/M61-20		
SVSF-61T-S2.0	AP-K2N	_	_	_		
SVSM-81T-S2.0		MKS-L	MK/SVF/M-81-20	APLMK SVF/M81-20		
SVSF-81T-S2.0		_	_	_		

Note: Contact JST for fully automatic crimping applicator.

Contact position location numbers





	Plug	housing	
<inner-housing lock=""></inner-housing>		<outer-housing lock=""></outer-housing>	
1 2 1	$\begin{array}{c c} 3 \\ \hline 2 \\ \hline 1 \\ \hline \end{array}$	$\frac{2}{1}$ $\frac{3}{2}$ $\frac{2}{1}$ $\frac{3}{2}$ $\frac{2}{1}$ $\frac{3}{3}$	- IIIIH <u>- </u>

VL CONNECTOR (HIGH CURRENT TYPE)

Housing

Material: Housing...PA 66, UL94V-0, white Retainer...Glass-filled PA 66, UL94V-0, ivory

No. of circuits	Voltage	Current rating	Receptacle housing (for pin contact	Plug housing (for socket contact	Retainer			
			VLR-01VF (Without panel lock product)	Q'ty/ bag	VLP-01V	Q'ty/ bag	VLS-01V	Q'ty/ bag
1	600V	23A	9.2 3 29.5	500	13 11 2.8 9.4	500	7.3 9.4	1,000
			VLR-02V *	Q'ty/ bag	VLP-02V	Q'ty/ bag	VLS-02V (commonly used for 2-circuit housing and 4-circuit housing)	Q'ty/ bag
2	600V	23A	VLR-02VF (Without panel lock product)	500	VLP-02V-1 13 11 2.8 8.4 VLP-02V-1 13 11 5.2 8.4	500	5.9 9.4	1,000
			VLR-03V	Q'ty/ bag	VLP-03V	Q'ty/ bag	VLS-03V	Q'ty/ bag
3	600V	22A	9 6 9 6 8.2 3 29.5	500	VLP-03V-1 13 11 2.8 8.4 VLP-03V-1 5.2 8.4	500	5.9 9.4	1,000
			VLR-04V ⁶	Q'ty/ bag	VLP-04V	Q'ty/ bag	VLS-02V	Q'ty/ bag
4	600V	21A	VLR-04VF (Without panel lock product)	500	VLP-04V-1 13 11 2.8 15.4 VLP-04V-1	500	5.9 9.4	1,000
			VLR-04VN	Q'ty/ bag	VLP-04VN-1	Q'ty/ bag	VLS-08V	Q'ty/ bag
			82 3 29.5	500	13 11 5.2 8.4	500	8. E. S.	1,000

RoHS2 compliance
Note: 1. Contact JST for special products.