

R97V Series In-Line Junction

Description

It is used to connect two wires in-line utilizing crimp-type contacts. The junction can then be placed in a wire bundle without being mounted.

Main technical characteristic

[Mechanical]

- ◆ Random vibration: 50~2000Hz, power spectral density 1.0G²/ Hz
- ◆ Shock: Acceleration 2940m/s²

[Environmental]

- ◆ Operating temperature: -65℃~+200℃
- ◆ High temperature durability: 200℃, 1000h
- ◆ Salt spray: 48h
- ◆ Magnetic permeability: ≤2.0
- ◆ Fluid immersion: fuels, coolant, solvent

[Electrical]

- ◆ Insulation resistance: normal≥5000MΩ
- ◆ Contact resistance and rated current:

No.	Contact size	Wire size (AWG)	Rated current A	Pull force N	Crimped resistance mΩ	The maximum pressure drop mV		
						Before test 25±3℃	After test	
							25±3℃	200 ⁺³ ₀ ℃
1	22 [#]	22	5	54	1.0	70	80	120
		26	2	23	2.0	60	70	100
2	20 [#]	20	7.5	89	0.8	55	65	95
		24	3.0	36	1.3	45	55	80
3	16 [#]	16	13	223	0.4	50	60	85
		18	7.5	172	0.5	45	55	80
		20	7.5	89	0.7			
4	12 [#]	12	23	490	0.2	60	70	100
		14	17	312	0.3	55	65	95

- ◆ Withstanding voltage: Sea level 1500V; 30480m 200V (50Hz, AC RMS)

How to order

Basic series

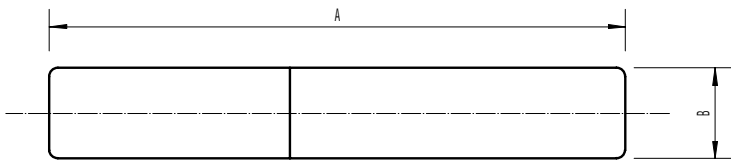
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Contact size

22、20、16、12

Outline dimensions



P/N	Contact size	Amax	B±0.76
R97V22	22	32.5	5.08
R97V -20	20	36.9	6.6
R97V -16	16	35.6	7.62
R97V -12	12	42.6	9.15