ADVANCED PERFORMANCE

Super ITS-921 Reverse-Bayonet Rigid Insert, High-Ampacity Connectors

Available Options and Performance Ratings

Contact Arrangements Table

Contact Arrangement	Qty	Service Rating	Contact Size and Q.ty					
			#16	#12	#8	#4	#1/0	#2/0
24-GL2	2	B			2			
24-22	4	E			4			
28-GL5	5	E			5			
28-GL2	2	B				2		
28-GL3	6	E	3		3			
32-2	5	B	2			3		
32-GL2	2	B					2	
32-GL12	1	B						1
32-17	4	B				4		
40-A4	6	E		2			4	
40-GL3	3	B					3	
40-GL31	4	E				1	3	
40-GL22	2	B						2
40-GL7	2	E		2		5		
40-GL33	6	E			3		3	

Rated Insulation Voltage Vac or Vdc (according to EN 50124-1)

OV1-PD1 (*)	OV2-PD1 (*)	OV3-PD1 (*)
1200V<V<1600V	<1200V	<900V
OV: Overvoltage Category	PD: Pollution Degree	

** : for a different value of OV and PD please ask to the factory*

Wire Insulation Diameters

Contact Size	Wire Size (AWG	Max. Contact Resistance (mOhm	Overall Cable Diameter Dimensions	
			Ø min.	Ø max.
16	16	12	1 (0.04)	4 (0.16)
	20	6		
12	12	3	2 (0.08)	5 (0.20)
8	8	1	4 (0.16)	8 (0.31)
4	4	0.5	7 (0.28)	12.7 (0.50)
1/0	1/0	0.3	10 (0.39)	15.8 (0.62)
	2/0	0.3	12 (0.47)	17.8 (0.70)

Materials and Finishes

Components	Material	Finish
Contact. Size #1/0, #4 and #8	Pin contact and socket contact body: high conductive copper alloy Socket contact spring: beryllium copper	Silver plating
Contact. Size #12, #16	Pin contact and socket contact body: copper alloy Socket contact spring: stainless steel	Code 1: silver plating Code 2: gold plating
Aluminum Shells, Coupling Nuts	Aluminum alloy	See Ordering Information
Stainless Steel Shells, Coupling Nuts	Stainless steel	Passivated
Insulator	Polytetrafluoroethylene	None
Single Wire Seals	Silicone rubber	None
EMI Spring	Beryllium copper	Silver-plated
Clinch Nut	Stainless steel	Passivated

Service Rating (according to MIL-DTL-5015)

Class	Operating voltage Vdc	Operating voltage Vac RMS	Test voltage Vac RMS
E	1750 V	1250 V	3500 V
B	2450 V	1750 V	4500 V

Current Rating

Contact Size	Wire Size	Rated current at +20°C (Amperes)	Rated current at +80°C (Amperes)
16	16	25	15
	20	10	9
12	12	50	28
	14	40	20
8	8	90	70
	10	70	55
4	4	160	130
	6	120	105
1/0	1/0	300	250
2/0	2/0	330	280

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Dimensions in millimeter (inches) are subject to change without notice.