

Contact Specifications & Alternate Key Positions

NS Series • MIL-DTL-28840 Type Connectors

Standard Contacts, Sealing Plugs, & Tooling

Contact Size	Contact Style	Part Number	Wire Size (AWG)	Wire Range (Dia)	Crimping Tool	Positioner (Turret)	Straight Insertion Tool	Offset Insertion Tool	Extraction Tool
#20	Pin	NSPP20D	28, 30, 32	.008-.013 (.20-.32)	TK401	TP402	TN301	TN302	TX401
	Pin	NSPP20P	22, 24, 26	.016-.025 (.41-.64)					
	Pin	NSPP20F	20, 22, 24	.020-.032 (.51-.81)					
	Socket	NSSS20E	28, 30, 32	.008-.013 (.20-.32)					
	Socket	NSSS20S	22, 24, 26	.016-.025 (.41-.64)					
	Socket	NSSS20G	20, 22, 24	.020-.032 (.51-.81)					
	Sealing Plug	NSSP20	—	—					

Dimensions are in inches (mm) unless otherwise noted.

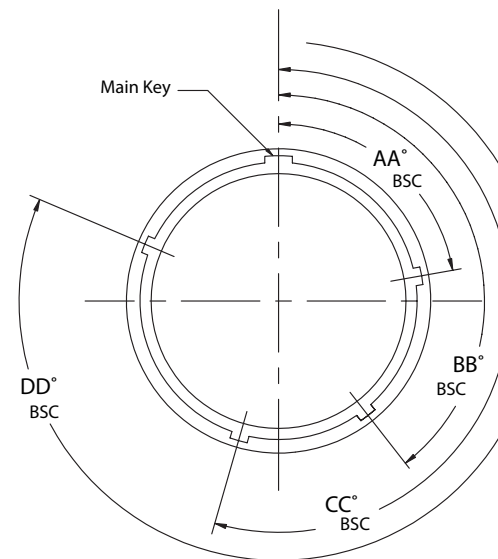
Contact Dimensions & Performance

Contact Size	Potential Drop (Millivolts) Max	Dielectric Strength VAC (RMS)		Finished Wire Diameter Sealing Range		Contact Retention Min Axial Load Pounds (Newtons)	Separation Force (Min oz.)	Engagement Force (Max oz.)
		Sea Level	70,000 ft Altitude	Min	Max			
#20	55	1,000	375	.040 (1.02)	.070 (1.78)	20 (89.0)	0.6	22

Dimensions are in inches (mm) unless otherwise noted. * Contact reducing bushings are required for crimp barrel to accommodate 10, 6, and 2 AWG wire gauges. Bushings are ordered separately, see Contact Reducing Bushing table below.

Alternate Key Positions

Shell Size	Key & Keyway Arrangement	AA° BSC	BB° BSC	CC° BSC	DD° BSC
11, 13	1	95	141	208	236
	2	113	156	182	292
	3	90	145	195	252
	4	53	156	220	255
	5	119	146	176	298
	6	51	141	184	242
15, 17	1	80	142	196	293
	2	135	170	200	310
	3	49	169	200	244
	4	66	140	200	257
	5	62	145	180	280
	6	79	153	197	272
19, 23, 25, 29, 33	1	80	142	196	293
	2	135	170	200	310
	3	49	169	200	244
	4	66	140	200	257
	5	62	145	180	280
	6	79	153	197	272



Plug Face View

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