

Speaker Connectors

SP Series

STANDARD DATA SP SERIES CONNECTORS

		VALUE	
GENERAL CHARACTERISTICS	Number of contacts	2 or 4	
	Termination (Chassis)	Printed Circuit Board (PCB) or Solder Tabs 3/16"	
	Termination (Cable Plugs)	Screw or Solder Terminals	
	Flammability	UL94HB	
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU	
ELECTRICAL CHARACTERISTICS	Service Voltage RMS	133V ¹⁾	
	Test Voltage AC RMS	1500V	
	Current carrying capacity	20A	
	Typical Contact Resistance	≤3mΩ	
	Insulation Resistance (initial)	≥2GΩ	
	Insulation Resistance (after damp heat test)	≥1GΩ	
CLIMATIC CHARACTERISTICS	Protection Class (Mated Condition)	IP20 (IP40)	
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)	
MECHANICAL CHARACTERISTICS	Weight** - Chassis Connectors	12g (0.026lb)	
	Weight** - Cable Plug - Thermoplastic - Metal	44g (0.097lb) 65g (0.143lb)	
		Weight** - Cable Plug PG - Thermoplastic - Metal	44g (0.097lb) 65g (0.143lb)
	Weight** - Cable Plug PG S/Relief - Thermoplastic - Metal		68g (0.150lb) 89g (0.196lb)
		Typical Cable retention force	200N (Subject to cable material and O.D.)
	Cable O.D range - Chuck Clamp - PG16 Gland - PG16 Gland S/Relief	2 pole 5-10mm (0.19" - 0.39")	4 pole 9-14mm (0.35" - 0.55")
		6-12mm (0.23" - 0.47")	8-14mm (0.31" - 0.55")
		9-14mm (0.35" - 0.55")	9-14mm (0.35" - 0.55")
	Conductor Size - Screw Terminals - Solder Bucket	1.5mm ² - 4mm ² (AWG16 - AWG12)	1.5mm ² - 6mm ² (AWG16 - AWG10)
		Mechanical Operations	5000 mating cycles
MATERIALS	Connector Shell / Finish - Cable Plug Thermoplastic - Cable Plug Metal	PA66 GF30 / Black Diecast Zinc Alloy / Nickel or Black	
	Insulators - Chassis - Cable Plugs	PA66 GF20 PA66 GF30	
	Cable Boot / Backshell	Santoprene / PA6 GF 15	
	Cable Clamp (Chuck)	P.O.M	
	Cable Clamp (PG)	Polyemide / EPDM	
	Sleeve	PBT	
	Contact Chassis - Material / Plating Contact Cable Plug - Material / Plating	Phosphor Bronze / Silver Brass / Silver	

**Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.

¹⁾Not suitable for domestic applications above 50V

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