

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	30A	
	Typical Contact Resistance	≤3mΩ	
	Insulation Resistance (initial)	≥2GΩ	
	Insulation Resistance (after damp heat test)	≥1GΩ	
CLIMATIC CHARACTERISTICS	Protection Class	IP54	
	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") 6-12mm (0.23" - 0.47") 9-14mm (0.35" - 0.55")	4 pole 9-14mm (0.35" - 0.55") 8-14mm (0.31" - 0.55") 9-14mm (0.35" - 0.55")
		Mechanical Operations	5000
		Fastening (Chassis Self Tapping)	M3 screw
	MATERIALS	Connector Shell / Finish - Chassis - Cable Plug Thermoplastic - Cable Plug Metal	PA66 GF20 / Black 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)		Polyamide / EPDM	
Sleeve		PBT	
Contact Chassis - Material / Plating Contact Cable Plug - Material / Plating		Phosphor Bronze / Silver Brass / Silver	

¹⁾Not suitable for domestic applications above 50V

