

STANDARD DATA SP SERIES CHASSIS 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	
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	44g (0.097lb)
		- Metal	65g (0.143lb)
	Weight** - Cable Plug PG	- Thermoplastic	44g (0.097lb)
		- Metal	65g (0.143lb)
	Weight** - Cable Plug PG S/Relief	- Thermoplastic	68g (0.150lb)
		- Metal	89g (0.196lb)
	Typical Cable retention force	200N (Subject to cable material and O.D.)	
	Cable O.D range	- Chuck Clamp	9-14mm (0.35" - 0.55")
		- PG16 Gland	8-14mm (0.31" - 0.55")
- PG16 Gland S/Relief		10-14mm (0.39" - 0.55")	
Mechanical Operations	5000		
Fastening (Chassis Self Tapping)	M3 screw		
MATERIALS	Connector Shell / Finish		
	- Chassis	PA66 GF20 / Black	
	- Cable Plug Thermoplastic	PA66 GF30 / Black	
	- Cable Plug Metal	Diecast Zinc Alloy / Nickel or Black	
	Insulators		
	- Chassis	PA66 GF20	
	- Cable Plugs	PA66 GF30	
	Cable Boot / Backshell	Santoprene / PA6 GF 15	
Cable Clamp (Chuck)	P.O.M		
Cable Clamp (PG)	Polyamide / EPDM		
Sleeve	PA6 15GF		
Contact Chassis			
- Material / Plating	Phosphor Bronze / Silver		
Contact Cable Plug			
- Material / Plating	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

Rev 3-11/2011