



Datasheet

ENGLISH

## SP17 (Threaded) Plug & Socket

Stock No: 144-4220










# Datasheet

## Material and spec




Coupling Type	Threaded Coupling
IP Rating	IP68
Material	Plastic
Shell	Nylon66, fire resistance:V-0
Insert Material	PPS max temperature 260°C, fire resistance:V-0
Contact Material	Brass with gold plating
Termination	Solder/Crimp
Cable outer diameter range	6-10mm
Mating cycle	>500
Temperature range	-25°C~+85°C
Insulation resistance MΩ	2000

## Contact arrangement and spec for solder

Number of contact	2	3	4	5	7	9	10
Male contact face view							
Rated current (A)	10A	10A	5A	5A	5A	5A	5A
Contact diameter	∅ 1.5×2	∅ 1.5×3	∅ 1×4	∅ 1×5	∅ 1×7	∅ 1×9	∅ 1×10
Rated voltage(AC.V)	500V	500V	500V	500V	400V	400V	400V
Test voltage(AC.V)1 min	1500V	1500V	1500V	1500V	1200V	1200V	1200V
Contact resistance mΩ	2.5	2.5	5	5	5	5	5
Wire size mm2 /AWG	≤2/14	≤2/14	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18

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## ★ Crimp contact arrangement and spec

Number of contact	2	3	4
Male contact face view			
Rated current (A)	10A	10A	5A
Contact diameter	∅ 1.5×2	∅ 1.5×3	∅ 1×4
Rated voltage(AC.V)	500V	500V	500V
Test voltage(AC.V)1 min	1500V	1500V	1500V
Contact resistance mΩ	2.5	2.5	5
Insulation resistance mΩ	2000	2000	2000

## Features

The SP17, SP13 and SP21 series are IP68 connectors, threaded coupling.

SP17 is the medium sized plastic shell IP68 waterproof connector.

Compare to SP13, SP17 has a bigger and stronger shell, bigger cable outer diameter acceptance, higher voltage, it is a very strong and very tough connector designed for much harsher environments.

The connectors can be used for both cable to cable (in-line) and cable to panel-mount connections. Each side can be male or female contact, (Plug or socket versions), currently the IP68 Sealing caps are available for panel connector only.

- 1) shell diameter (the panel hole cutout diameter): 17mm
- 2) number of contacts : 2 -10 gold plated contacts
- 3) rated current and V: 13A-3A , 500V-400V
- 4) cable outer diameter acceptance : 6-10mm
- 5) CE , ROHS approval

## Applications



### SP17 (Threaded)

SP17 connector is ideal for any equipment for watertight, indoor / outdoor applications , such as outdoor electric tools or appliances , medical device , communications, Marine equipment , under water equipment , outdoor led lighting , outdoor LED panels , solar energy system, outdoor security cameras , transformer , control box, machines and equipment , packing machines , for data and power.