

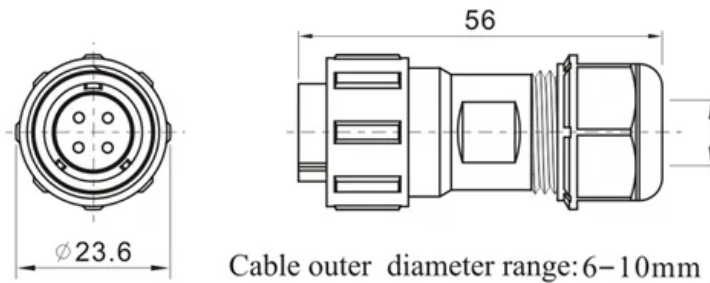


Datasheet

ENGLISH

RS PRO SP17 (Threaded) Female Cable Connector

Stock No: 144-4180










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

★ 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.