



SY1311/P

1 / 6

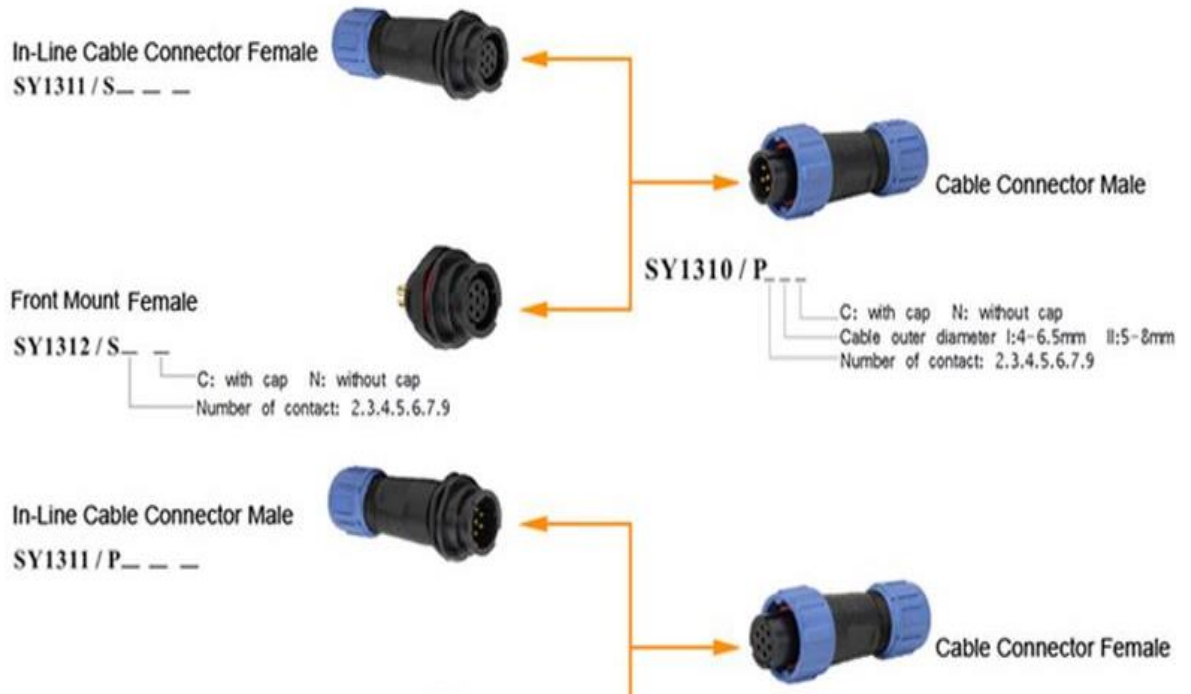
SY13 Plastic Connector

Established in 1996, Weipu Connector is Circular Connector manufacturer and trader specialized in the research, development and production of SY13 IP67 Waterproof Connector. We are located in Shanghai, with convenient transportation access. All of our products comply with international quality standards and are greatly appreciated in a variety of different markets throughout the world. High quality is always our top priority. We have an update machinery and a fully equipped in-house testing lab, – our factory is ISO 9001 certified. Our unique selling points and core competences mainly include waterproof electrical plug connectors and connecting devices at competitive prices, complex mechatronics services, and customized new developments. This synergy from the area of connector expertise and mechatronics competence makes us a very strong partner in holistic execution of and support for new projects. If you are interested in any of our IP67 Waterproof Connector, or would like to discuss a custom order, please feel free to contact us.

The SY13 Plastic Circular Connector are IP67 connectors, bayonet coupling, they have the same size and same electric spec as SP13/17/21, the specialty of this connector is bayonet coupling, it is designed for any applications that need quick locking and frequent plug on/off mating.

- 1) Shell diameter (the panel hole cutout diameter) 13mm
- 2) Number of contacts: 2-9 gold plated contacts
- 3) Rated current and V: 13A-3A, 250V-125V
- 4) Cable outer diameter acceptance: type I: 4-6.5mm, type II: 5-8mm
- 5) CE, ROHS approval








● SY13 Series Mating diagram



Material and spec

Coupling		Bayonet
Shell material	PC: Panel connector shell, Insert housing shell. Nylon66: Locking nut, Back shell, Compressing nut, Retaining nut Fire resistance: V-0	
Insert material	PPS, max temperature 260 °C	
Contact material	Brass with gold plating	
Termination	Solder: SY13, SY17, SY21 Crimp: SY17, SY21 Screw: SY21 (Ø3 mm contact)	
IP rating	IP67	
Mating cycle	500	
Temperature range	-40°C~+ 85°C	
Insulation resistance (MΩ)	2000	

Solder contact spec

Number of contact	2	3	4	5	6	7	9
Male contact face view							
Rated current (A)	13	13	5	5	5	5	3
Contact diameter(mm)	1.6	1.6	1	1	1	1	0.7
Rated voltage (AC.V)	250	250	200	180	125	125	125
Test voltage(AC.V) 1 min	1500	1500	1500	1000	1000	1000	1000
Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
Wire size (mm ² /AWG)	≤2/14	≤2/14	≤0.75/18	≤0.75/18	≤0.75/18	≤0.75/18	≤0.5/20