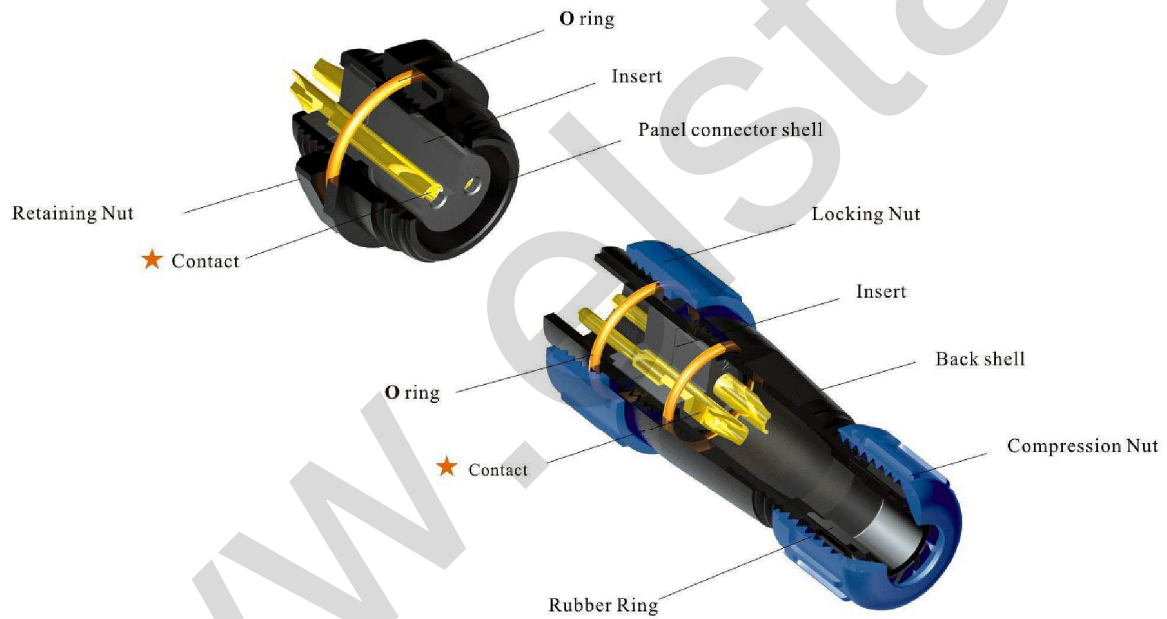




● **SP13 & SP21 IP68 Threaded coupling**



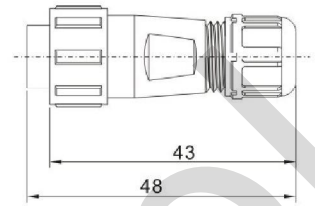
| | | | |
|----------------------------|---------------------------------|---------------------|-----------|
| Coupling | Threaded coupling | | |
| Shell material | Nylon66 , fire resistance : V-0 | | |
| Insert material | PPS max temperaturę 260 °C | | |
| Contact material | Brass with gold plating | | |
| Termination | SP13 :solder | SP21 :solder/ screw | |
| Cable outer diameter range | SP13 I: 4-6.5mm D:5-8mm | SP21 I: 4.5-7mm | II:7-12mm |
| JP rating | IP68 | | |
| Mating cycle | >500 | | |
| Temperaturę range | -25 °C~ + 85 °C | | |
| Insulation resistance M£3 | 2000 | | |



SP1310 / P — — SP1310 / S — —

Cable connector

Mate with SP1311, SP1312



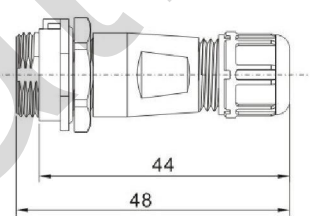
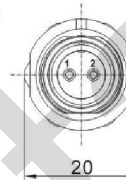
Cable outer diameter: I : 4-6.5mm , II : 5-8mm
Number of contact: 2. 3. 4. 5. 6. 7. 9



SP1311 / P — — SP1311 / S — —

In-line cable connector

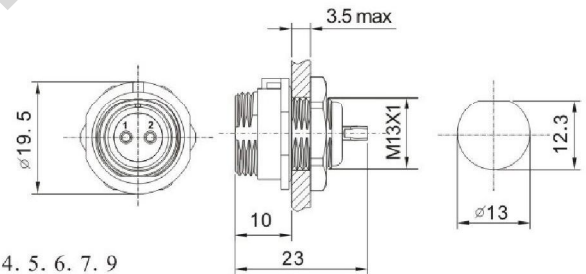
Mate with SP1310



SP1312 / P — — SP1312 / S — —

Rear mount

Mate with SP1310



Number of contact: 2. 3. 4. 5. 6. 7. 9

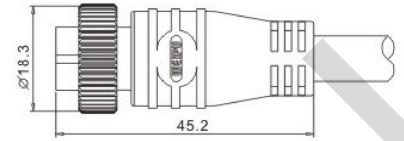
Contact arrangement and spec

| Number of contact | 2 | 3 | 4 | 5 | 6 | 7 | 9 |
|--------------------------------|---------|--------|-----------|-----------|-----------|-----------|-----------|
| Male contact face view | | | | | | | |
| Rated current (A) | 13A | 13A | 5A | 5A | 5A | 5A | 3A |
| Contact diameter | ∅ 1.6X2 | ∅1.6X3 | ∅ 1X4 | ∅1X5 | ∅ 1X6 | ∅ 1X7 | ∅ 0.7X9 |
| Rated voltage (AC.V) | 250V | 250V | 200V | 180V | 125V | 125V | 125V |
| Test voltage(AC.V) 1 min | 1500V | 1500V | 1500V | 1000V | 1000V | 1000V | 1000V |
| Contact resistance mΩ | 2 | 2 | 5 | 5 | 5 | 5 | 10 |
| Wire size mm ² /AWG | ≤2/14 | ≤2/14 | ≤0.785/18 | ≤0.785/18 | ≤0.785/18 | ≤0.785/18 | ≤0.785/18 |

Overmolded Cable Assemblies: SP13 Series IP68



Single ended plug assembly
Mate with SP1311,SP1312,SP1315

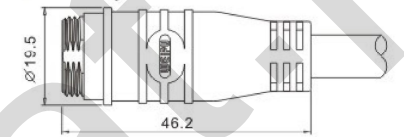


SP1314 / P— SP1314 / S—

Number of contact: 2. 3. 4. 5. 6. 7. 9



Single ended in-line receptacle assembly
Mate with SP1310,SP1314



SP1315 / P— SP1315 / S—

Double ended extension assembly
-plug & receptacle



Double ended plug assembly
-plug & plug



Double ended in-line receptacle assembly
-receptacle & receptacle



SP1314 / — + SP1315 / —

SP1314 / — + SP1314 / —

SP1315 / — + SP1315 / —

Number of contact: 2. 3. 4. 5. 6. 7. 9
P:Male contact S:Female contact

The plugs and receptacles are available with male contact or female contact

Contact arrangement and spec

| Number of contact | 2 | 3 | 4 | 5 | 6 | 7 | 9 | | |
|--------------------------------|----------|----------|----------|-----------|----------|----------|----------|-----------|---------|
| Male contact face view | | | | | | | | | |
| Rated current (A) | 8A | 8A | 4A | 4A | 4A | 4A | 1.6A | | |
| Contact diameter | ∅ 1.6X2 | ∅1.6X3 | ∅ 1X4 | ∅1X5 | ∅1X6 | ∅ 1X7 | ∅0.7X9 | | |
| Rated voltage (AC.V) | 250V | 250V | 200V | 180V | 125V | 125V | 125V | | |
| Test voltage(AC.V) 1 min | 1500V | 1500V | 1500V | 1000V | 1000V | 1000V | 1000V | | |
| Contact resistance mΩ | 2 | 2 | 5 | 5 | 5 | 5 | 10 | | |
| Wire size mm ² /AWG | ≤ 1/17 | ≤ 1/17 | ≤ 0.5/20 | ≤ 0.5/20 | ≤ 0.5/20 | ≤ 0.5/20 | ≤ 0.2/24 | | |
| Cable Color | 1- black | 2- white | 3- red | 4- yellow | 5- green | 6- brown | 7- blue | 8- orange | 9- purp |