

**IP68 CIRCULAR CONNECTORS, PLASTIC**



**SP13 IP68 Threaded coupling**



Material and Specification	
Product Type	Connector
Coupling	Threaded coupling
Shell material	Nylon66, fire resistance: V-0
Insert material	PPS max temperature 260°C, fire resistance: V-0
Contact material	Brass with gold plating
Termination	SP13:solder
Cable outer diameter range	SP13 II:5-8mm
IP rating	IP68
Mating cycle	>500
Temperature range	-25°C-+85°C
Insulation resistance mc <sup>2</sup>	2000

**IP68 CIRCULAR CONNECTORS, PLASTIC**

**SP  
13**

**SP13 Series IP68**

**CN21307-13**



SP1310 / P

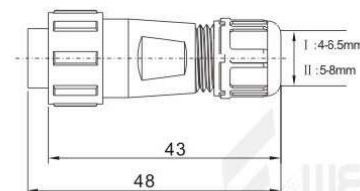
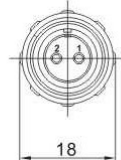
**CN21314-20**



SP1310 / S

**Cable connector**

Mate with SP1311, SP1312 (refer to cross-reference below)



C: with cap, N: without cap  
Cable outer diameter: I : 4-6.5mm , II : 5-8mm  
Number of contact: 2. 3. 4. 5. 6. 7. 9

**CN21321-27**



SP1311 / P

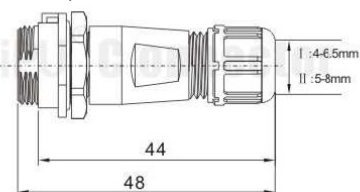
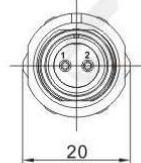
**CN21328-34**



SP1311 / S

**In-line cable connector**

Mate with SP1310(refer to cross-reference below)



**CN21335-41**



SP1312 / P

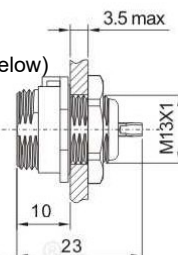
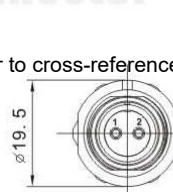
**CN21342-48**



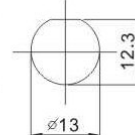
SP1312 / S

**Front mount**

Mate with SP1310(refer to cross-reference below)






● Panel cutout








C: with cap, N: without cap  
Number of contact: 2. 3. 4. 5. 6. 7. 9



**Contact arrangement and spec for solder termination**



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 <sup>2</sup> /AWG	≤2/14	≤2/14	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18	≤0.785/18



Order Code	Supplier Part Number	Description	Mating Parts 1	Supplier Part Number	Description	Mating Parts 2	Supplier Part Number	Description
								
CN21307	SP1310/P2IIC	2 Way Male Cable Connector	CN21328	SP1311/S2IIC	2 Way Female In-line Connector	CN21342	SP1312/S2C	2 Way Female Panel Connector
CN21308	SP1310/P3IIC	3 Way Male Cable Connector	CN21329	SP1311/S3IIC	3 Way Female In-line Connector	CN21343	SP1312/S3C	3 Way Female Panel Connector
CN21309	SP1310/P4IIC	4 Way Male Cable Connector	CN21330	SP1311/S4IIC	4 Way Female In-line Connector	CN21344	SP1312/S4C	4 Way Female Panel Connector
CN21310	SP1310/P5IIC	5 Way Male Cable Connector	CN21331	SP1311/S5IIC	5 Way Female In-line Connector	CN21345	SP1312/S5C	5 Way Female Panel Connector
CN21311	SP1310/P6IIC	6 Way Male Cable Connector	CN21332	SP1311/S6IIC	6 Way Female In-line Connector	CN21346	SP1312/S6C	6 Way Female Panel Connector
CN21312	SP1310/P7IIC	7 Way Male Cable Connector	CN21333	SP1311/S7IIC	7 Way Female In-line Connector	CN21347	SP1312/S7C	7 Way Female Panel Connector
CN21313	SP1310/P9IIC	9 Way Male Cable Connector	CN21334	SP1311/S9IIC	9 Way Female In-line Connector	CN21348	SP1312/S9C	9 Way Female Panel Connector

								
CN21314	SP1310/S2IIC	2 Way Female Cable Connector	CN21321	SP1311/P2IIC	2 Way Male In-line Connector	CN21335	SP1312/P2C	2 Way Male Panel Connector
CN21315	SP1310/S3IIC	3 Way Female Cable Connector	CN21322	SP1311/P3IIC	3 Way Male In-line Connector	CN21336	SP1312/P3C	3 Way Male Panel Connector
CN21316	SP1310/S4IIC	4 Way Female Cable Connector	CN21323	SP1311/P4IIC	4 Way Male In-line Connector	CN21337	SP1312/P4C	4 Way Male Panel Connector
CN21317	SP1310/S5IIC	5 Way Female Cable Connector	CN21324	SP1311/P5IIC	5 Way Male In-line Connector	CN21338	SP1312/P5C	5 Way Male Panel Connector
CN21318	SP1310/S6IIC	6 Way Female Cable Connector	CN21325	SP1311/P6IIC	6 Way Male In-line Connector	CN21339	SP1312/P6C	6 Way Male Panel Connector
CN21319	SP1310/S7IIC	7 Way Female Cable Connector	CN21326	SP1311/P7IIC	7 Way Male In-line Connector	CN21340	SP1312/P7C	7 Way Male Panel Connector
CN21320	SP1310/S9IIC	9 Way Female Cable Connector	CN21327	SP1311/P9IIC	9 Way Male In-line Connector	CN21341	SP1312/P9C	9 Way Male Panel Connector

								
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CN21323	SP1311/P4IIC	4 Way Male In-line Connector	CN21316	SP1310/S4IIC	4 Way Female Cable Connector			
CN21324	SP1311/P5IIC	5 Way Male In-line Connector	CN21317	SP1310/S5IIC	5 Way Female Cable Connector			
CN21325	SP1311/P6IIC	6 Way Male In-line Connector	CN21318	SP1310/S6IIC	6 Way Female Cable Connector			
CN21326	SP1311/P7IIC	7 Way Male In-line Connector	CN21319	SP1310/S7IIC	7 Way Female Cable Connector			
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CN21333	SP1311/S7IIC	7 Way Female In-line Connector	CN21312	SP1310/P7IIC	7 Way Male Cable Connector			
CN21334	SP1311/S9IIC	9 Way Female In-line Connector	CN21313	SP1310/P9IIC	9 Way Male Cable Connector			

								
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CN21337	SP1312/P4C	4 Way Male Panel Connector	CN21316	SP1310/S4IIC	4 Way Female Cable Connector			
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CN21346	SP1312/S6C	6 Way Female Panel Connector	CN21311	SP1310/P6IIC	6 Way Male Cable Connector			
CN21347	SP1312/S7C	7 Way Female Panel Connector	CN21312	SP1310/P7IIC	7 Way Male Cable Connector			
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