

IP68 CIRCULAR CONNECTORS, PLASTIC



SP21 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	Solder
Cable outer diameter range	SP21 II:7-12mm
IP rating	IP68
Mating cycle	>500
Temperature range	-25°C~+85°C
Insulation resistance mc ²	2000

IP68 CIRCULAR CONNECTORS, PLASTIC

SP21 Series IP68

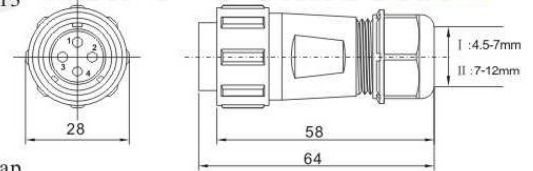
SP
21



SP2110 / P — — — — SP2110 / S — — — —

Cable connector

Mate with SP2111, SP2112, SP2113



C: with cap, N: without cap

1:solder, 2:screw, 3:crimp

Cable outer diameter I : 4.5-7mm, II : 7-12 mm

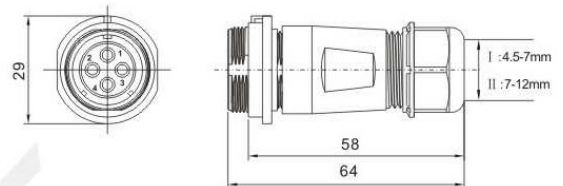
Number of contact: 2.3.4.5B.5C.7.8.9.12



SP2111 / P — — — — SP2111 / S — — — —

In-line cable connector

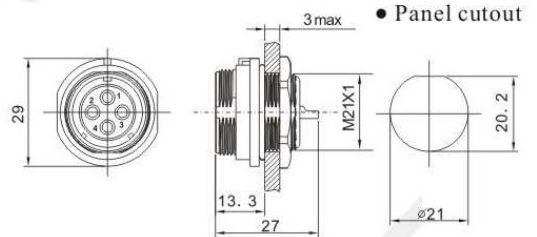
Mate with SP2110



SP2112 / P — — — — SP2112 / S — — — —

Front mount

Mate with SP2110



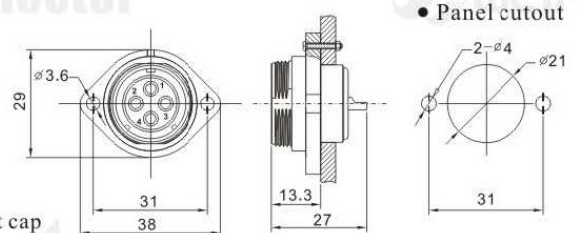
• Panel cutout



SP2113 / P — — — — SP2113 / S — — — —

2-hole flange

Mate with SP2110



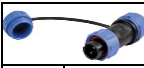
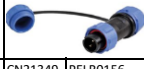
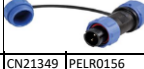
• Panel cutout

C: with cap, N: without cap

1:solder, 2:screw, 3:crimp

Number of contact: 2.3.4.5B.5C.7.8.9.12

Number of contact	2	3	4	5	5B	5C	7	9	12
Male contact face view									
Rated current (A)	30A	30A	30A	30A	5A, 30A	15A	15A	5A	5A
Contact diameter	Ø 3X2	Ø 3X3	Ø 3X4	Ø 3X5	Ø 1X3 Ø 3X2	Ø 2X5	Ø 2X7	Ø 1X9	Ø 1X12
Termination	solder / screw	solder / screw	solder / screw	solder / screw	solder / screw	solder	solder	solder	solder
Rated voltage (AC.V)	500V	500V	500V	500V	500V	500V	500V	500V	400V
Test voltage(AC.V) 1 min	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1500V	1200V
Contact resistance mΩ	1	1	1	1	5, 1	2.5	2.5	5	5
Wire size mm / AWG	≤4.17/11	≤4.17/11	≤4.17/11	≤4.17/11	≤0.785/18 ≤4.17/11	≤2/14	≤2/14	≤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
								
CN21349	PELR0156	2 Way Male Cable Connector	CN21370	PELR0177	2 Way Female In-line Connector	CN21384	PELR0191	2 Way Female Panel Connector
CN21350	PELR0157	3 Way Male Cable Connector	CN21371	PELR0178	3 Way Female In-line Connector	CN21385	PELR0192	3 Way Female Panel Connector
CN21351	PELR0158	4 Way Male Cable Connector	CN21372	PELR0179	4 Way Female In-line Connector	CN21386	PELR0193	4 Way Female Panel Connector
CN21352	PELR0159	5 Way Male Cable Connector	CN21373	PELR0180	5 Way Female In-line Connector	CN21387	PELR0194	5 Way Female Panel Connector
CN21353	PELR0160	7 Way Male Cable Connector	CN21374	PELR0181	7 Way Female In-line Connector	CN21388	PELR0195	7 Way Female Panel Connector
CN21354	PELR0161	9 Way Male Cable Connector	CN21375	PELR0182	9 Way Female In-line Connector	CN21389	PELR0196	9 Way Female Panel Connector
CN21355	PELR0162	12 Way Male Cable Connector	CN21376	PELR0183	12 Way Female In-line Connector	CN21390	PELR0197	12 Way Female Panel Connector
								
CN21356	PELR0163	2 Way Female Cable Connector	CN21363	PELR0170	2 Way Male In-line Connector	CN21377	PELR0184	2 Way Male Panel Connector
CN21357	PELR0164	3 Way Female Cable Connector	CN21364	PELR0171	3 Way Male In-line Connector	CN21378	PELR0185	3 Way Male Panel Connector
CN21358	PELR0165	4 Way Female Cable Connector	CN21365	PELR0172	4 Way Male In-line Connector	CN21379	PELR0186	4 Way Male Panel Connector
CN21359	PELR0166	5 Way Female Cable Connector	CN21366	PELR0173	5 Way Male In-line Connector	CN21380	PELR0187	5 Way Male Panel Connector
CN21360	PELR0167	7 Way Female Cable Connector	CN21367	PELR0174	7 Way Male In-line Connector	CN21381	PELR0188	7 Way Male Panel Connector
CN21361	PELR0168	9 Way Female Cable Connector	CN21368	PELR0175	9 Way Male In-line Connector	CN21382	PELR0189	8 Way Male Panel Connector
CN21362	PELR0169	12 Way Female Cable Connector	CN21369	PELR0176	12 Way Male In-line Connector	CN21383	PELR0190	12 Way Male Panel Connector
								
CN21363	PELR0170	2 Way Male In-line Connector	CN21356	PELR0163	2 Way Female Cable Connector			
CN21364	PELR0171	3 Way Male In-line Connector	CN21357	PELR0164	3 Way Female Cable Connector			
CN21365	PELR0172	4 Way Male In-line Connector	CN21358	PELR0165	4 Way Female Cable Connector			
CN21366	PELR0173	5 Way Male In-line Connector	CN21359	PELR0166	5 Way Female Cable Connector			
CN21367	PELR0174	7 Way Male In-line Connector	CN21360	PELR0167	7 Way Female Cable Connector			
CN21368	PELR0175	9 Way Male In-line Connector	CN21361	PELR0168	9 Way Female Cable Connector			
CN21369	PELR0176	12 Way Male In-line Connector	CN21362	PELR0169	12 Way Female Cable Connector			
								
CN21370	PELR0177	2 Way Female In-line Connector	CN21349	PELR0156	2 Way Male Cable Connector			
CN21371	PELR0178	3 Way Female In-line Connector	CN21350	PELR0157	3 Way Male Cable Connector			
CN21372	PELR0179	4 Way Female In-line Connector	CN21351	PELR0158	4 Way Male Cable Connector			
CN21373	PELR0180	5 Way Female In-line Connector	CN21352	PELR0159	5 Way Male Cable Connector			
CN21374	PELR0181	7 Way Female In-line Connector	CN21353	PELR0160	7 Way Male Cable Connector			
CN21375	PELR0182	9 Way Female In-line Connector	CN21354	PELR0161	9 Way Male Cable Connector			
CN21376	PELR0183	12 Way Female In-line Connector	CN21355	PELR0162	12 Way Male Cable Connector			
								
CN21377	PELR0184	2 Way Male Panel Connector	CN21356	PELR0163	2 Way Female Cable Connector			
CN21378	PELR0185	3 Way Male Panel Connector	CN21357	PELR0164	3 Way Female Cable Connector			
CN21379	PELR0186	4 Way Male Panel Connector	CN21358	PELR0165	4 Way Female Cable Connector			
CN21380	PELR0187	5 Way Male Panel Connector	CN21359	PELR0166	5 Way Female Cable Connector			
CN21381	PELR0188	7 Way Male Panel Connector	CN21360	PELR0167	7 Way Female Cable Connector			
CN21382	PELR0189	8 Way Male Panel Connector	CN21361	PELR0168	9 Way Female Cable Connector			
CN21383	PELR0190	12 Way Male Panel Connector	CN21362	PELR0169	12 Way Female Cable Connector			
								
CN21384	PELR0191	2 Way Female Panel Connector	CN21349	PELR0156	2 Way Male Cable Connector			
CN21385	PELR0192	3 Way Female Panel Connector	CN21350	PELR0157	3 Way Male Cable Connector			
CN21386	PELR0193	4 Way Female Panel Connector	CN21351	PELR0158	4 Way Male Cable Connector			
CN21387	PELR0194	5 Way Female Panel Connector	CN21352	PELR0159	5 Way Male Cable Connector			
CN21388	PELR0195	7 Way Female Panel Connector	CN21353	PELR0160	7 Way Male Cable Connector			
CN21389	PELR0196	9 Way Female Panel Connector	CN21354	PELR0161	9 Way Male Cable Connector			
CN21390	PELR0197	12 Way Female Panel Connector	CN21355	PELR0162	12 Way Male Cable Connector			