

SP21 Series Circular Connector, Plug, 3 Position, Crimp Terminal, 25A, 500V

**RoHS
Compliant**

Stock No.: 9224475M0778

FEATURES

- 3 Position
- Plug, Male Pin
- Crimp
- 2-Hole Flange



Product Description

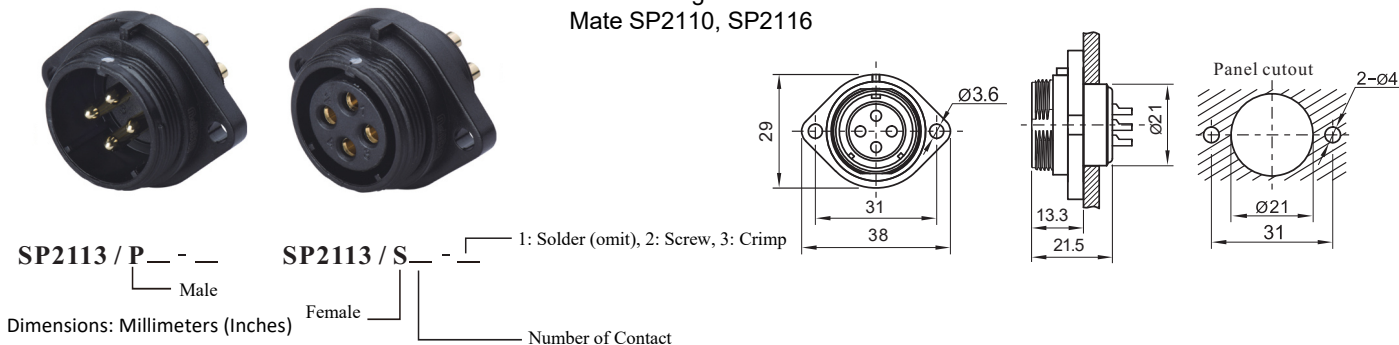
Circular connectors offer rugged solutions that have been engineered for reliable performance in a wide variety of harsh environmental applications, including aerospace, broadcast, defense and security, electronics, energy, industrial, instrumentation, medical, and transportation.

General Specifications

Attribute	Value
Coupling	Threaded
Shell Material	PC, Nylon66, fire resistance: V-0
Insert Material	PPS, max temperature 260°C
Contact Material	Gold plated brass
Termination	Crimp
Mounting Type	2-Hole Flange
IP Rating	IP68
Mating Cycle	500
Temperature Range	-40°C ~+85°C
Insulation Resistance	2000 MΩ
Rated Current (A)	25
Rated Voltage (AC.V)	500

Product Drawing

2-Hole Flange
Mate SP2110, SP2116



Number of Contact	1 Only for straight type product	2	3	4	5	7	7B	8
Male contact face view								
Rated current (A)	100	25	25	25	10	10	5	5
Contact diameter(mm)	Ø5.5X1	Ø2.5X2	Ø2.5X3	Ø2.5X4	Ø1.5X5	Ø1.5X7	Ø1X7	Ø1X8
Rated voltage (AC.V)	500	500	500	500	500	500	400	400
Test voltage(AC.V) 1 min	1500	1500	1500	1500	1500	1500	1200	1200
Contact resistance (mΩ)	0.3	1	1	1	2.5	2.5	5	5
Insulation resistance (mΩ)	2000	2000	2000	2000	2000	2000	2000	2000

Mating Graph



Crimp Contact

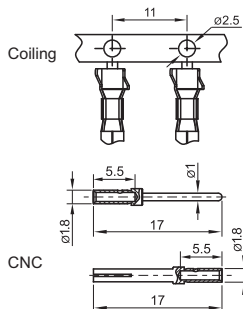
5A Crimp contact

- ※ Contact diameter: $\Phi 1$
- ※ Material: Brass with gold plating
- ※ Contact resistance: $5m\Omega$

Coiling



CNC



5A Male crimp contact

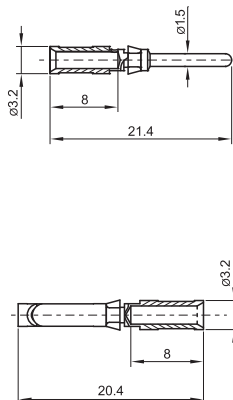
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20	5.5mm	Punching YJ1-17-0.52AU-C CNC YJ1-17-0.52AU	CT-P20/28	RT-1.0

5A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.20-0.52mm ² AWG 24-20	5.5mm	Punching YK1-17-0.52AU-C CNC YK1-17-0.52AU	CTW-0.14/4	RT-1.0

10A Crimp contact

- ※ Contact diameter: $\Phi 1.5$
- ※ Material: Brass with gold plating
- ※ Contact resistance: $2.5m\Omega$



10A Male crimp contact

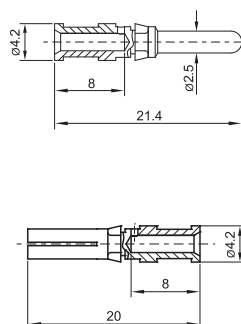
Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22	8mm	YJ1.5-21.4-0.37AU	CTW-0.14/4	RT-1.5
0.5mm ² AWG 20	8mm	YJ1.5-21.4-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm ² AWG 18	8mm	YJ1.5-21.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16	8mm	YJ1.5-21.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14	8mm	YJ1.5-21.4-2.5AU	CTW-0.14/4	RT-1.5

10A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.14-0.37mm ² AWG 26-22	8mm	YK1.5-20.4-0.37AU	CTW-0.14/4	RT-1.5
0.5mm ² AWG 20	8mm	YK1.5-20.4-0.5AU	CTW-0.14/4	RT-1.5
0.75-1.0mm ² AWG 18	8mm	YK1.5-20.4-1.0AU	CTW-0.14/4	RT-1.5
1.5mm ² AWG 16	8mm	YK1.5-20.4-1.5AU	CTW-0.14/4	RT-1.5
2.5mm ² AWG 14	8mm	YK1.5-20.4-2.5AU	CTW-0.14/4	RT-1.5

25A Crimp contact

- ※ Contact diameter: $\Phi 2.5$
- ※ Material: Brass with gold plating
- ※ Contact resistance: $1m\Omega$



25A Male crimp contact

Wire size	Stripping length	Male crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YJ2.5-21.4-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YJ2.5-21.4-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YJ2.5-21.4-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YJ2.5-21.4-4.0AU	CTW-0.14/4	RT-2.5

25A Female crimp contact

Wire size	Stripping length	Female crimp contact p/n	Crimping tool p/n	Removal tool p/n
0.75-1.0mm ² AWG 18	8mm	YK2.5-20-1.0AU	CTW-0.14/4	RT-2.5
1.5mm ² AWG 16	8mm	YK2.5-20-1.5AU	CTW-0.14/4	RT-2.5
2.5mm ² AWG 14	8mm	YK2.5-20-2.5AU	CTW-0.14/4	RT-2.5
4.0mm ² AWG 12	8mm	YK2.5-20-4.0AU	CTW-0.14/4	RT-2.5

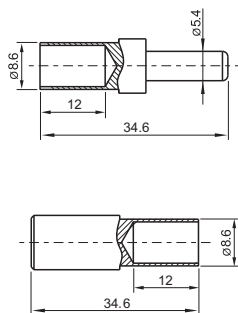
Crimp Contact

100A Crimp contact

※ Contact diameter: $\Phi 5.5$

※ Material: Brass with silver plating

※ Contact resistance: $0.3m\Omega$



100A Male crimp contact

Wire size	Stripping length	Crimping tool p/n
25mm ² AWG 3	10mm	YQK-70

100A Female crimp contact

Wire size	Stripping length	Crimping tool p/n
25mm ² AWG 3	10mm	YQK-70

Part Number Table

Part Number	Material code	Description
9224473M0776	SP2113/P1-3	SP21 Series Circular Connector, Plug, 1 Position, Crimp Terminal, 100A, 500V
9224474M0777	SP2113/P2-3	SP21 Series Circular Connector, Plug, 2 Position, Crimp Terminal, 25A, 500V
9224475M0778	SP2113/P3-3	SP21 Series Circular Connector, Plug, 3 Position, Crimp Terminal, 25A, 500V
9224476M0779	SP2113/P4-3	SP21 Series Circular Connector, Plug, 4 Position, Crimp Terminal, 25A, 500V
9224477M0780	SP2113/P5-3	SP21 Series Circular Connector, Plug, 5 Position, Crimp Terminal, 10A, 500V
9224478M0781	SP2113/P7-3	SP21 Series Circular Connector, Plug, 7 Position, Crimp Terminal, 10A, 500V
9224479M0782	SP2113/P7B-3	SP21 Series Circular Connector, Plug, 7 Position, Crimp Terminal, 5A, 400V
9224480M0783	SP2113/P8-3	SP21 Series Circular Connector, Plug, 8 Position, Crimp Terminal, 5A, 400V

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