

解析图

ANALYTIC DIAGRAM

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材料和技术参数 Material and technical parameters

接插方式 Connection mode	螺纹锁紧 Thread locking	
外壳材料 Housing material	热塑性塑料 Thermoplastic PC, PA66 防火等级 Fire rating: V-0	
绝缘体 Insulator	热塑性塑料 Thermoplastic PPS, 耐高温 High temperature resistance 260°C	
接触件材料 Contact material	铜镀金 Copper gilding	
接线方式 Wiring mode	焊接 Welding: SP13、SP17、SP21、SP29	
	压接 Crimping: SP17、SP21、SP29	
	螺丝压接 Screw crimping: SP21、SP29 (φ2.5、φ3、φ3.5mm 插针 Pin)	
电缆直径 Cable diameter	SP11: 4-6.5	
	SP13I: 4-6.5mm (不标 No bid) , II: 5-8mm	SP21: I: 4.5-7mm, II: 7-12mm (不标 No bid)
	SP17: 6-10mm	SP29: 13-16mm
防护等级 Protection grade	IP68	
接插次数 Plugging times	500	
温度范围 Temperature range	-40°C ~+85°C	
绝缘电阻 Insulation resistance	2000MΩ	

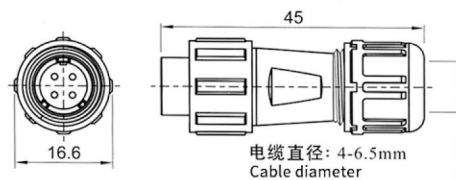


插针 Pin

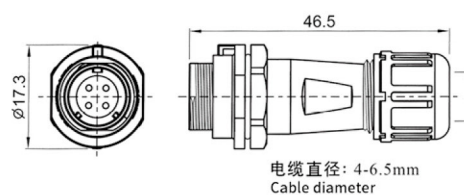


电缆插头 Cable plug
与 With SP1111,
SP1112, SP1113
相配 To match up

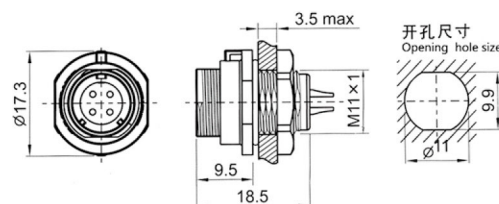
芯数 Number of cores
插孔 Socket



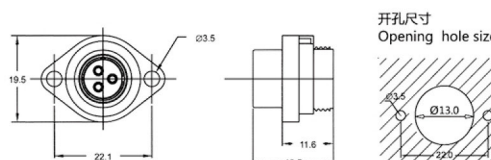
电缆对接插座
Cable butt socket
与 With SP1110
相配 To match up



后螺母插座
Rear nut socket
与 With SP1110
相配 To match up



法兰插座
Flange socket
与 With SP1110
相配 To match up

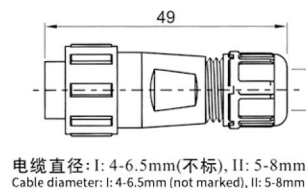
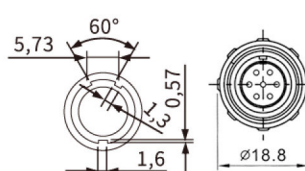


焊接芯件参数表 Parameter table of welding core

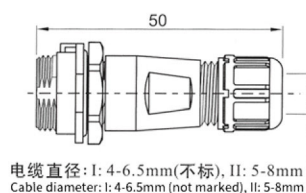
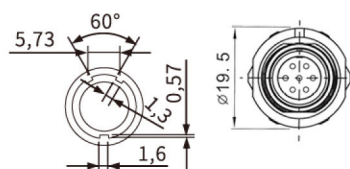
芯数 Number of cores	2	3	4	5
公端绝缘体正面图 Front view of male insulator				
额定电流 Rated current (A)	5	5	3	5
接触件直径 Contact diameter (mm)	φ1×2	φ1×3	φ0.7×4	φ0.7×5
工作电压 Working voltage (AC.V)	180	180	125	125
耐压 Pressure resistance (AC.V) 1min	1000	1000	1000	1000
接触电阻 Contact resistance (mΩ)	5	5	10	10
线规 Wire gauge (mm ² /AWG)	≤ 0.75/18	≤ 0.75/18	≤ 0.5/20	≤ 0.5/20



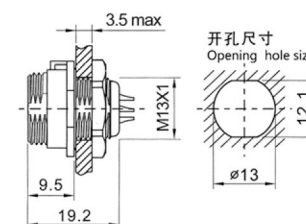
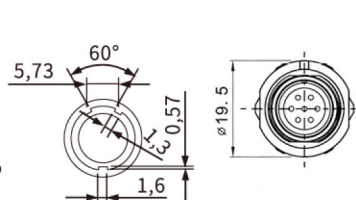
电缆插头 Cable plug
与 With SP1311,
SP1312, SP1313
相配 To match up



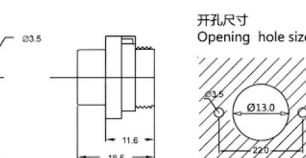
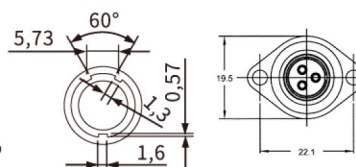
电缆对接插座
Cable butt socket
与 With SP1310
相配 To match up



后螺母插座
Rear nut socket
与 With SP1310
相配 To match up



法兰插座
Flange socket
与 With SP1310
相配 To match up



焊接芯件参数表 Parameter table of welding core

芯数 Number of cores	2	3	4	5	6	7	9
公端绝缘体正面图 Front view of male insulator							
额定电流 Rated current (A)	13	13	5	5	5	5	3
接触件直径 Contact diameter (mm)	φ1.6×2	φ1.6×3	φ1×4	φ1×5	φ1×6	φ1×7	φ0.7×9
工作电压 Working voltage (AC.V)	250	250	200	180	125	125	125
耐压 Pressure resistance (AC.V) 1min	1500	1500	1500	1000	1000	1000	1000
接触电阻 Contact resistance (mΩ)	2.5	2.5	5	5	5	5	10
线规 Wire gauge (mm²/AWG)	≤ 2/14	≤ 2/14	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18	≤ 0.5/20



SP1710 / P

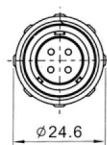
插针 Pin



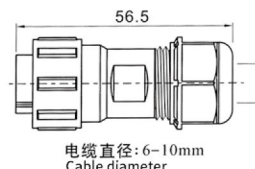
SP1710 / S

电缆插头 Cable plug
与 With SP1711, SP1712,
SP1713, SP1714
SP1715 相配 To match up

1: 焊接 (不标) Welding (not marked), 3: 压接 Crimping
芯数 Number of cores
插孔 Socket



Ø24.6



56.5
电缆直径: 6-10mm
Cable diameter

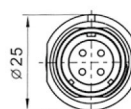


SP1711 / P

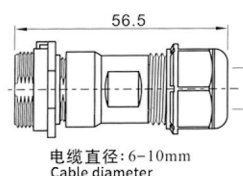


SP1711 / S

电缆对接插座
Cable butt socket
与 With SP1710, SP1716
相配 To match up



Ø25



56.5
电缆直径: 6-10mm
Cable diameter

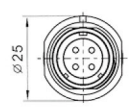


SP1712 / P

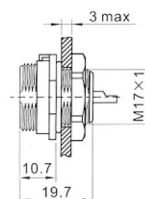


SP1712 / S

后螺母插座
Rear nut socket
与 With SP1710, SP1716
相配 To match up



Ø25



3 max

M17×1

10.7

19.7



开孔尺寸
Opening hole size

15.6

Ø17

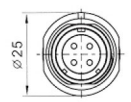


SP1713 / P

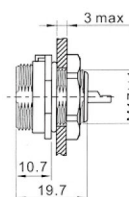


SP1713 / S

螺丝插座 Screw socket
与 With SP1710, SP1716
相配 To match up



Ø25



3 max

M17×1

10.7

19.7



开孔尺寸
Opening hole size

15.6

Ø17

焊接芯件参数表 Parameter table of welding core

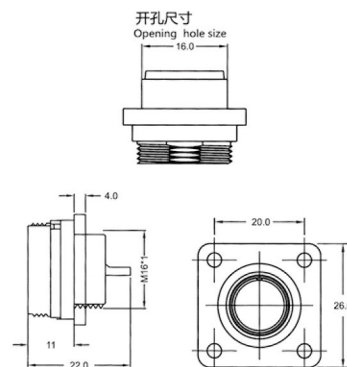
芯数 Number of cores	2	3	4	5	7	9	10
公端绝缘体正面图 Front view of male insulator							
额定电流 Rated current (A)	10	10	5	5	5	5	5
接触件直径 Contact diameter (mm)	φ1.5×2	φ1.5×3	φ1×4	φ1×5	φ1×7	φ1×9	φ1×10
工作电压 Working voltage (AC.V)	500	500	500	500	400	400	400
耐压 Pressure resistance (AC.V) 1min	1500	1500	1500	1500	1200	1200	1200
接触电阻 Contact resistance (mΩ)	2.5	2.5	5	5	5	5	5
线规 Wire gauge (mm ² /AWG)	≤ 2/14	≤ 2/14	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18



SP1714 / P

SP1714 / S

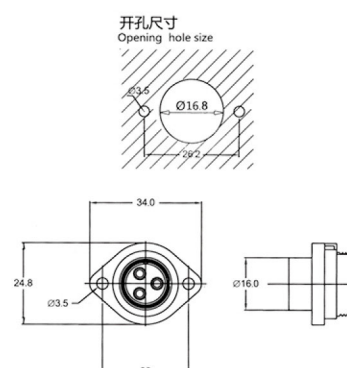
方盘插座 Square socket
与 With SP1710、SP1716
相配 To match up



SP1715 / P

SP1715 / S

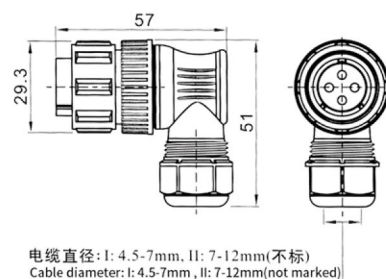
法兰插座
Flange socket
与 With SP1710、SP1716
相配 To match up



SP1716 / P

SP1716 / S

弯式电缆插头 Curved cable plug
与 With SP1711、SP1712、
SP1713、SP1714、SP1715
相配 To match up



电缆直径: I: 4.5-7mm, II: 7-12mm(不标)
Cable diameter: I: 4.5-7mm, II: 7-12mm(not marked)

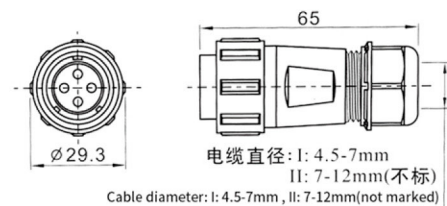
1: 焊接(不标) Welding (not marked),
2: 螺丝压接 Screw crimping, 3: 压接 Crimping
电缆外径 Cable outer diameter
芯数 Number of cores

焊接芯件参数表 Parameter table of welding core

芯数 Number of cores	2	3	4	5	7	9	10
公端绝缘体正面图 Front view of male insulator							
额定电流 Rated current (A)	10	10	5	5	5	5	5
接触件直径 Contact diameter (mm)	φ1.5×2	φ1.5×3	φ1×4	φ1×5	φ1×7	φ1×9	φ1×10
工作电压 Working voltage (AC.V)	500	500	500	500	400	400	400
耐压 Pressure resistance (AC.V) 1min	1500	1500	1500	1500	1200	1200	1200
接触电阻 Contact resistance (mΩ)	2.5	2.5	5	5	5	5	5
线规 Wire gauge (mm ² /AWG)	≤ 2/14	≤ 2/14	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18	≤ 0.75/18



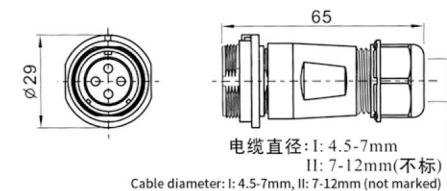
电缆插头 Cable plug
与 With SP2111, SP2112,
SP2113, SP2114,
SP2115 相配 To match up



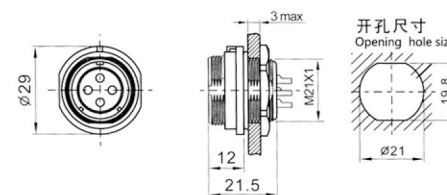
1: 焊接 (不标) Welding (not marked), 2: 螺丝压接 Screw crimping, 3: 压接 Crimping
电缆外接 Cable external connection
芯数 Number of cores
插孔 Socket



电缆对接插座
Cable butt socket
与 With SP2110, SP2116
相配 To match up



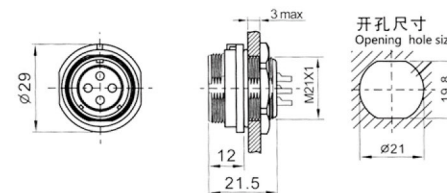
后螺母插座
Rear nut socket
与 With SP2110, SP2116
相配 To match up



1: 焊接 (不标) Welding (not marked), 2: 螺丝压接 Screw crimping, 3: 压接 Crimping
芯数 Number of cores



螺丝插座 Screw socket
与 With SP2110, SP2116
相配 To match up



1: 焊接 (不标) Welding (not marked), 2: 螺丝压接 Screw crimping, 3: 压接 Crimping
芯数 Number of cores

焊接芯件参数表 Parameter table of welding core

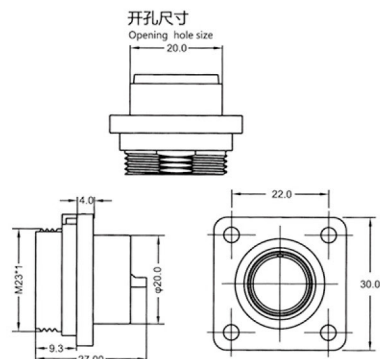
芯数 Number of cores	2	3	4	5	7	9	12
公端绝缘体正面图 Front view of male insulator							
额定电流 (A) Rated current (A)	30 20	30 20	30 20	30 20	15	5	5
接触件直径 (mm) Contact diameter (mm)	φ3×2	φ3×3	φ3×4	φ3×5	φ2×7	φ1×9	φ1×12
工作电压 (AC.V) Working voltage (AC.V)	500	500	500	500	500	400	400
耐压 Pressure resistance (AC.V) 1min	1500	1500	1500	1500	1500	1500	1200
接触电阻 Contact resistance (mΩ)	1	1	1	1	2.5	5	5
接线方式 Wiring mode	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 Welding	焊接 Welding
焊接线规 Welding wire gauge (mm²/AWG)	≤ 4/12	≤ 4/12	≤ 4/12	≤ 4/12	≤ 2/14	≤ 0.75/18	≤ 0.75/18
螺丝压接线规 (mm²/AWG)	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	/	/	/



SP2114 / P

SP2114 / S

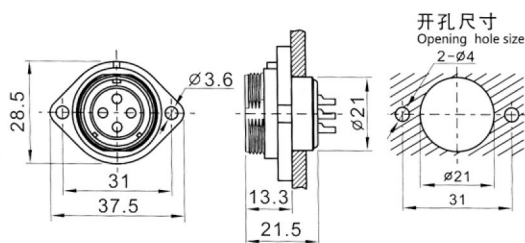
方盘插座 Square socket
与 With SP2110、SP2116
相配 To match up



SP2115 / P

SP2115 / S

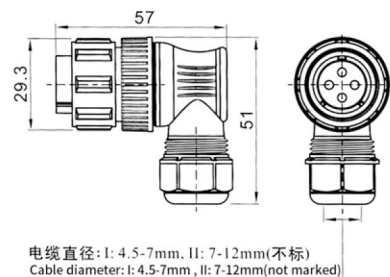
法兰插座 Flange socket
与 With SP2110、SP2116
相配 To match up



SP2116 / P

SP2116 / S

弯式电缆插头 Curved cable plug
与 With SP2111、SP2112、
SP2113、SP2114、SP2115
相配 To match up



电缆直径: I: 4.5-7mm, II: 7-12mm(不标)
Cable diameter: I: 4.5-7mm, II: 7-12mm(not marked)

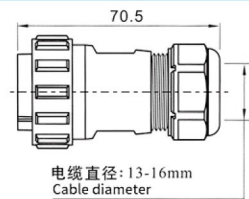
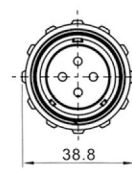
1: 焊接 (不标) Welding (not marked),
2: 螺丝压接 Screw crimping, 3: 压接 Crimping
电缆外径 Cable outer diameter
芯数 Number of cores

焊接芯件参数表 Parameter table of welding core

芯数 Number of cores	2	3	4	5	7	9	12
公端绝缘体正面图 Front view of male insulator							
额定电流 (A) Rated current (A)	30 20	30 20	30 20	30 20	15	5	5
接触件直径 (mm) Contact diameter (mm)	φ3×2	φ3×3	φ3×4	φ3×5	φ2×7	φ1×9	φ1×12
工作电压 (AC.V) Working voltage (AC.V)	500	500	500	500	500	400	400
耐压 Pressure resistance (AC.V) 1min	1500	1500	1500	1500	1500	1500	1200
接触电阻 Contact resistance (mΩ)	1	1	1	1	2.5	5	5
接线方式 Wiring mode	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 Welding	焊接 Welding
焊接线规 Welding wire gauge (mm²/AWG)	≤ 4/12	≤ 4/12	≤ 4/12	≤ 4/12	≤ 2/14	≤ 0.75/18	≤ 0.75/18
螺丝压接线规 (mm²/AWG)	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	/	/	/



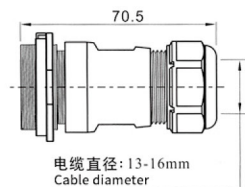
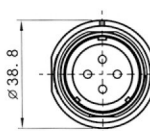
电缆插头 Cable plug
与 With SP2911, SP2912,
SP2913, SP2914, SP2915
相配 To match up



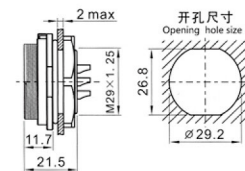
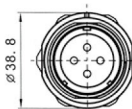
1: 焊接 (不标) Welding (not marked), 2: 螺丝压接 Screw crimping, 3: 压接 Crimping
电缆外接 Cable external connection
芯数 Number of cores
插孔 Socket



电缆对接插座
Cable butt socket
与 With SP2910, SP2916
相配 To match up



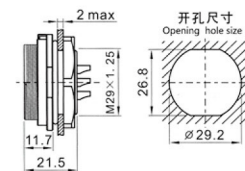
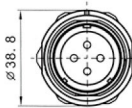
后螺母插座
Rear nut socket
与 With SP2910, SP2916
相配 To match up



1: 焊接 (不标) Welding (not marked), 2: 螺丝压接 Screw crimping, 3: 压接 Crimping
芯数 Number of cores



后螺母插座
Rear nut socket
与 With SP2910, SP2916
相配 To match up



1: 焊接 (不标) Welding (not marked), 2: 螺丝压接 Screw crimping, 3: 压接 Crimping
芯数 Number of cores

焊接芯件参数表 Parameter table of welding core

芯数 Number of cores	2	3	4	5	7	9	12
公端绝缘体正面图 Front view of male insulator							
额定电流 (A) Rated current (A)	30 20	30 20	30 20	30 20	15	5	5
接触件直径 (mm) Contact diameter (mm)	φ3×2	φ3×3	φ3×4	φ3×5	φ2×7	φ1×9	φ1×12
工作电压 (AC.V) Working voltage (AC.V)	500	500	500	500	500	400	400
耐压 Pressure resistance (AC.V) 1min	1500	1500	1500	1500	1500	1500	1200
接触电阻 Contact resistance (mΩ)	1	1	1	1	2.5	5	5
接线方式 Wiring mode	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 Welding	焊接 Welding
焊接线规 Welding wire gauge (mm²/AWG)	≤ 4/12	≤ 4/12	≤ 4/12	≤ 4/12	≤ 2/14	≤ 0.75/18	≤ 0.75/18
螺丝压接线规 (mm²/AWG)	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	/	/	/

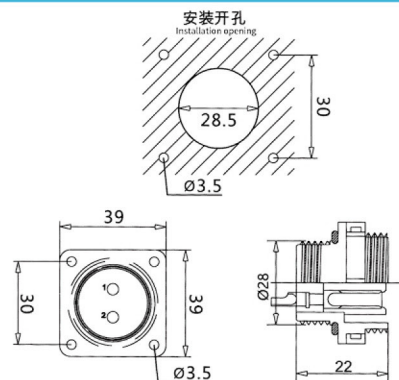


SP2914 / P



SP2914 / S

方盘插座 Square socket
与 With SP2910、SP2916
相配 To match up

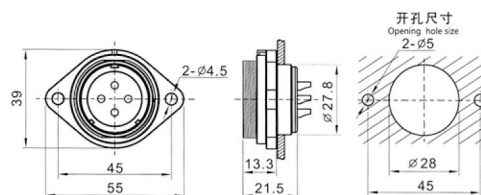


SP2915 / P



SP2915 / S

法兰插座 Flange socket
与 With SP2910、SP2916
相配 To match up

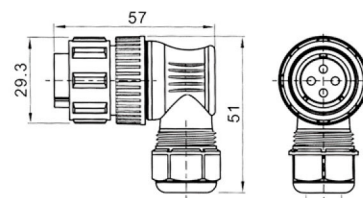


SP2916 / P



SP2916 / S

弯式电缆插头 Curved cable plug
与 With SP2911、SP2912、
SP2913、SP2914、SP2915
相配 To match up



电缆直径: I: 4.5-7mm, II: 7-12mm(不标)
Cable diameter: I: 4.5-7mm, II: 7-12mm(not marked)

1: 焊接 (不标) Welding (not marked),
2: 螺丝压接 Screw crimping, 3: 压接 Crimping
电缆外径 Cable outer diameter
芯数 Number of cores

焊接芯件参数表

芯数 Number of cores	2	3	4	5	7	9	12
公端绝缘体正面图 Front view of male insulator							
额定电流 (A) Rated current (A)	30 20	30 20	30 20	30 20	15	5	5
接触件直径 (mm) Contact diameter (mm)	φ3×2	φ3×3	φ3×4	φ3×5	φ2×7	φ1×9	φ1×12
工作电压 (AC.V) Working voltage (AC.V)	500	500	500	500	500	400	400
耐压 Pressure resistance (AC.V) 1min	1500	1500	1500	1500	1500	1500	1200
接触电阻 Contact resistance (mΩ)	1	1	1	1	2.5	5	5
接线方式 Wiring mode	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 / 螺丝压接 Welding/screw crimping	焊接 Welding	焊接 Welding
焊接线规 Welding wire gauge (mm²/AWG)	≤ 4/12	≤ 4/12	≤ 4/12	≤ 4/12	≤ 2/14	≤ 0.75/18	≤ 0.75/18
螺丝压接线规 (mm²/AWG)	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	≤ 1.5/15	/	/	/