WNRE

YUEQING WEINUOER ELECTRONIC TECHNOLOGY CO., LTD.

New Energy Connector Technical Handbook

Specification Series — English edition

Reference for B2B customers, purchasing managers and installation / test engineers

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> Parameter tables and figure captions are in English. Figure numbers run continuously through the whole edition.

1 M8 Series

Source page 02 of the Chinese edition. Overmolded / field-assembly, waterproof

1.1 Product description

ENGLISH

Product name: M8 overmolded / field-assembly waterproof plug; Type: Overmolded / field assembly; Pin count: 2-5 pin; Coupling: A type; Cable length: Standard 1 m; custom lengths available; Contact material: Copper, pure gold / silver plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: New energy, rail transit, aerospace, sensors, industrial automation, etc.; Rated current: 5-8A.



Figure 1. M8 Series: product views

1.2 Technical data

Item	Value
Product name	M8 overmolded / field-assembly waterproof plug
Type	Overmolded / field assembly
Pin count	2-5 pin
Coupling	A type
Cable length	Standard 1 m; custom lengths available
Contact material	Copper, pure gold / silver plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	New energy, rail transit, aerospace, sensors, industrial automation, etc.
Rated current	5-8A

1.3 Dimensions

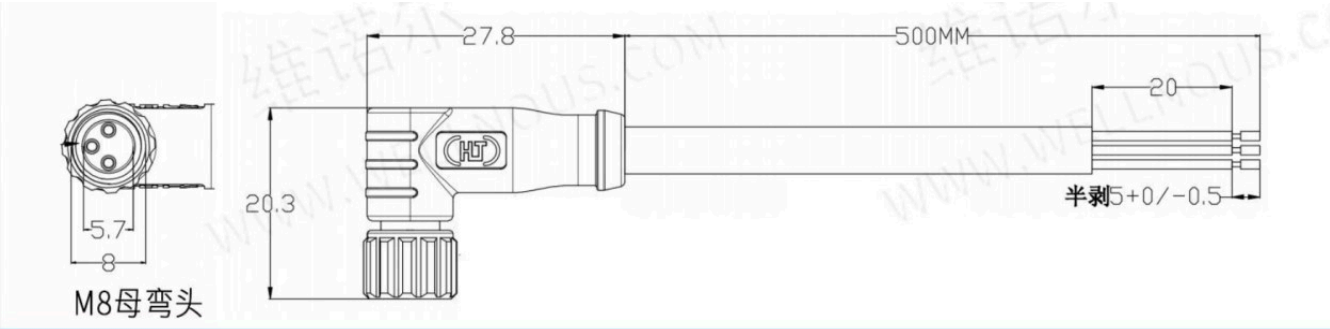


Figure 2. M8 Series: outline and mounting dimensions (1/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

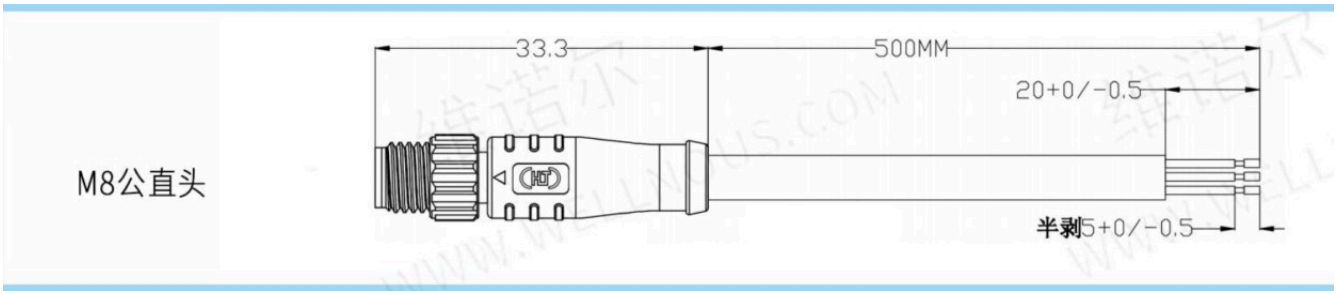


Figure 3. M8 Series: outline and mounting dimensions (2/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

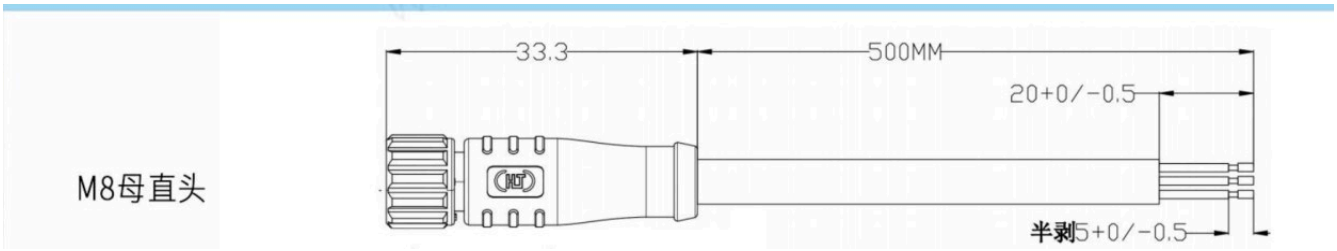


Figure 4. M8 Series: outline and mounting dimensions (3/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

2 M12 Series

Source page 03 of the Chinese edition. Overmolded waterproof connector

2.1 Product description

ENGLISH

Product name: M12 overmolded waterproof plug; Type: Overmolded; Pin count: 3-17 pin; Coupling: A, B, D type; Cable length: Standard 1 m; custom lengths available; Contact material: Copper, pure gold / silver plated; Process: Precision injection molding; Ingress protection: IP68; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: Ethernet, new energy, rail transit, aerospace, sensors, industrial automation, etc.; Rated current: 5-8A.



Figure 5. M12 Series: product views

2.2 Technical data

Item	Value
Product name	M12 overmolded waterproof plug
Type	Overmolded
Pin count	3-17 pin
Coupling	A, B, D type
Cable length	Standard 1 m; custom lengths available
Contact material	Copper, pure gold / silver plated
Process	Precision injection molding
Ingress protection	IP68
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	Ethernet, new energy, rail transit, aerospace, sensors, industrial automation, etc.
Rated current	5-8A

2.3 Dimensions

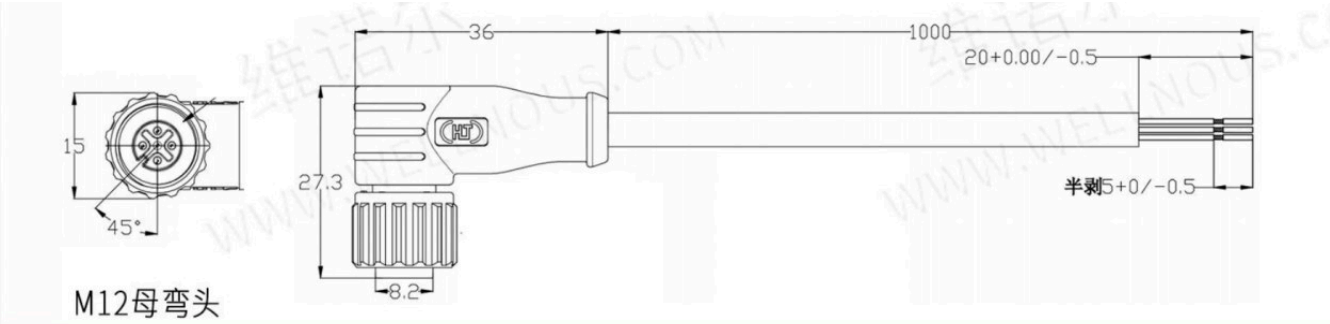


Figure 6. M12 Series: outline and mounting dimensions (1/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

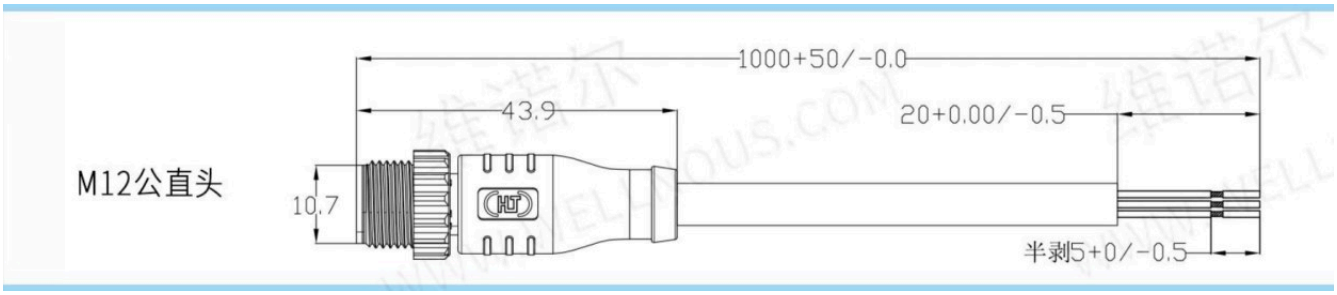


Figure 7. M12 Series: outline and mounting dimensions (2/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

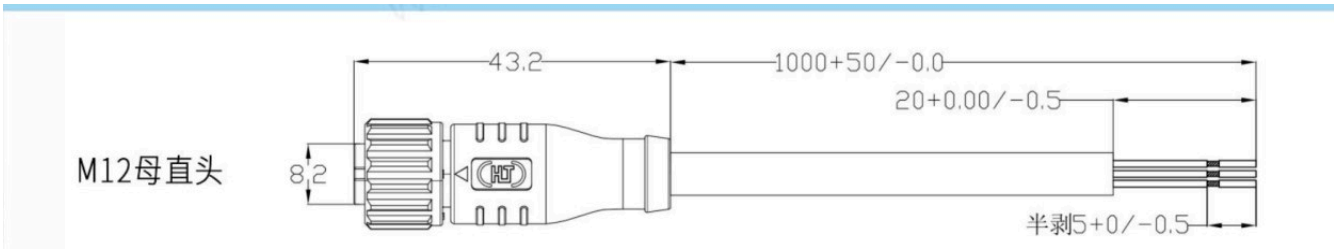


Figure 8. M12 Series: outline and mounting dimensions (3/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

3 M16 Series

Source page 04 of the Chinese edition. Field-assembly quick-lock and overmolded

3.1 Product description

ENGLISH

Product name: M16 series field-assembly quick-lock and overmolded; Type: Field assembly, overmolded; Pin count: 2-5 pin; Coupling: 2, 3, 4, 5; Cable length: Standard 1 m; custom lengths available; Contact material: Copper, pure gold / silver plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: Cable systems, new energy, rail transit, industrial automation, etc.; Rated current: 8-15A.



Figure 9. M16 Series: product views

3.2 Technical data

Item	Value
Product name	M16 series field-assembly quick-lock and overmolded
Type	Field assembly, overmolded
Pin count	2-5 pin
Coupling	2, 3, 4, 5
Cable length	Standard 1 m; custom lengths available
Contact material	Copper, pure gold / silver plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	Cable systems, new energy, rail transit, industrial automation, etc.
Rated current	8-15A

3.3 Dimensions

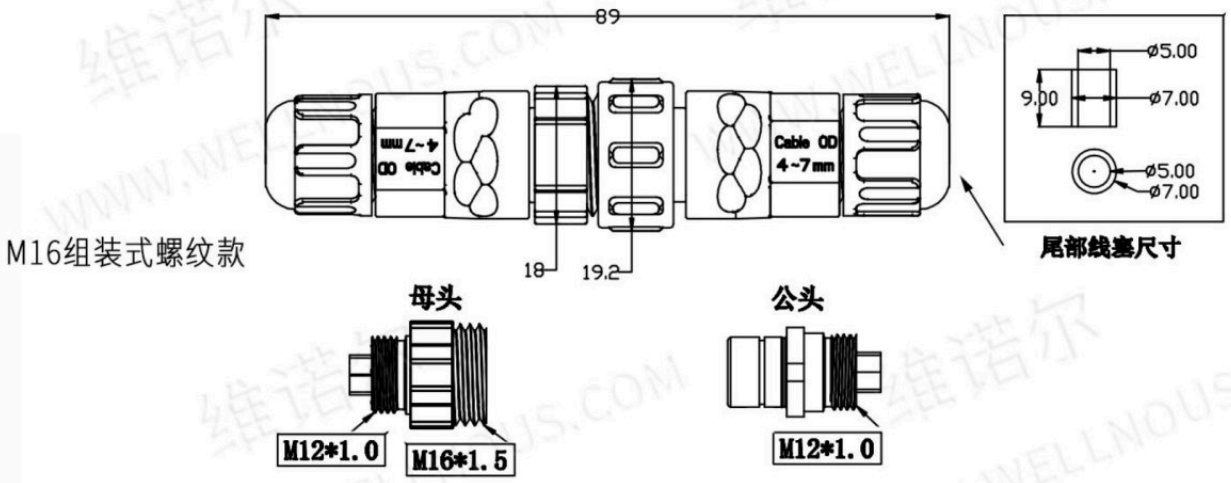


Figure 10. M16 Series: outline and mounting dimensions (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

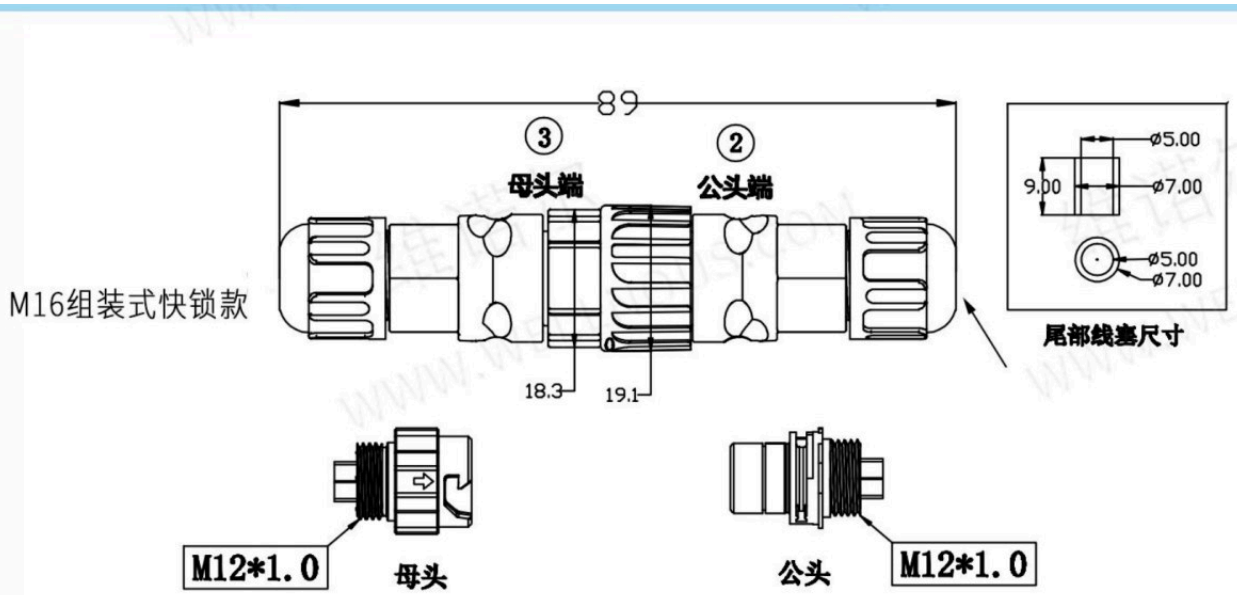


Figure 11. M16 Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

4 M20 Series

Source page 05 of the Chinese edition. E-bike + fuse charging, waterproof

4.1 Product description

ENGLISH

Product name: M20 e-bike + fuse charge/discharge waterproof plug; Type: Overmolded; Pin count: 2-5 pin; Coupling: 2+3 / 2+0; Cable length: Standard 1 m; custom lengths available; Contact material: Copper, pure gold / silver plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.; Rated current: 20-30A.



Figure 12. M20 Series: product views

4.2 Technical data

Item	Value
Product name	M20 e-bike + fuse charge/discharge waterproof plug
Type	Overmolded
Pin count	2-5 pin
Coupling	2+3 / 2+0
Cable length	Standard 1 m; custom lengths available
Contact material	Copper, pure gold / silver plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.
Rated current	20-30A

4.3 Dimensions

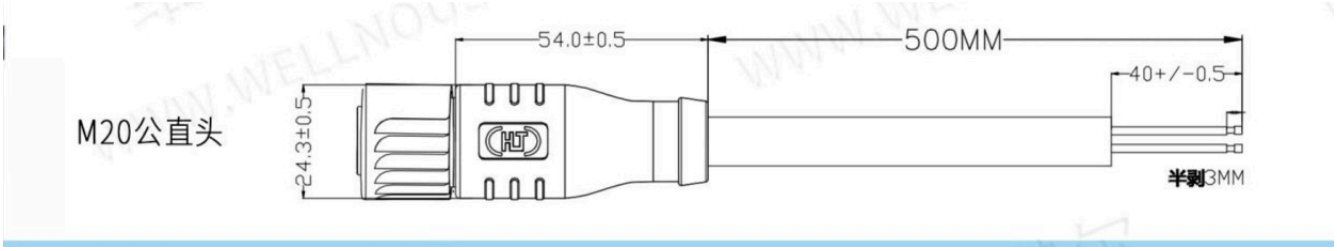


Figure 13. M20 Series: outline and mounting dimensions (1/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

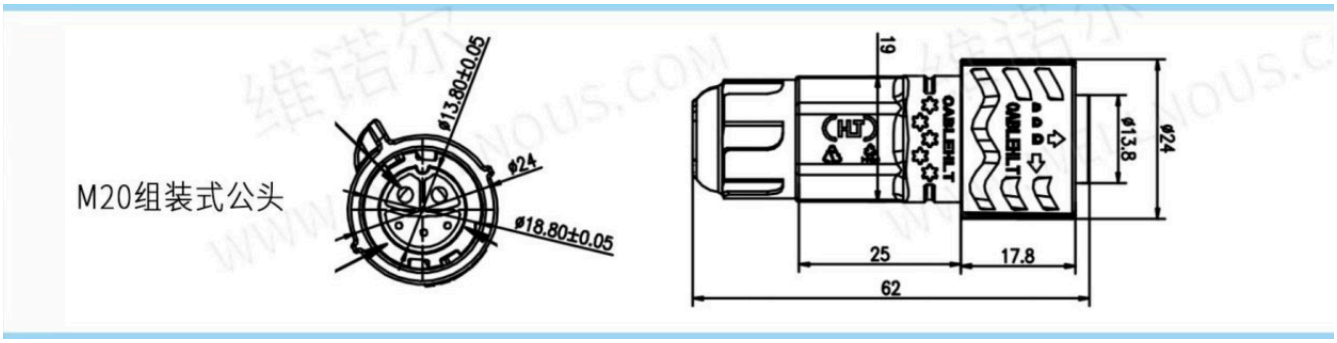


Figure 14. M20 Series: outline and mounting dimensions (2/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

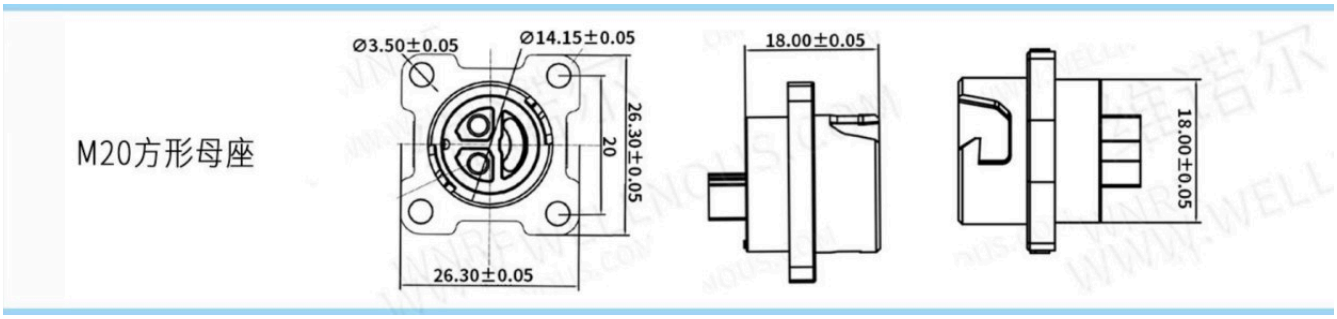


Figure 15. M20 Series: outline and mounting dimensions (3/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

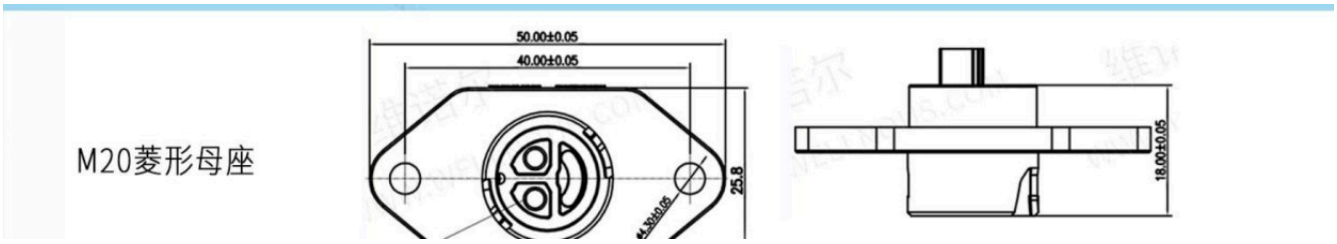


Figure 16. M20 Series: outline and mounting dimensions (4/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

5 M25 Series

Source page 06 of the Chinese edition. E-bike + fuse charging, waterproof

5.1 Product description

ENGLISH

Product name: M25 e-bike + fuse charge/discharge waterproof plug; Type: Overmolded; Pin count: 2-8 pin; Coupling: 2+0 / 2+3 / 2+5 / 2+1+3 / 2+1+5; Cable length: Standard 1 m; custom lengths available; Contact material: Copper, pure gold / silver plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.; Rated current: 30-50A.



Figure 17. M25 Series: product views

5.2 Technical data

Item	Value
Product name	M25 e-bike + fuse charge/discharge waterproof plug
Type	Overmolded
Pin count	2-8 pin
Coupling	2+0 / 2+3 / 2+5 / 2+1+3 / 2+1+5
Cable length	Standard 1 m; custom lengths available
Contact material	Copper, pure gold / silver plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.
Rated current	30-50A

5.3 Dimensions

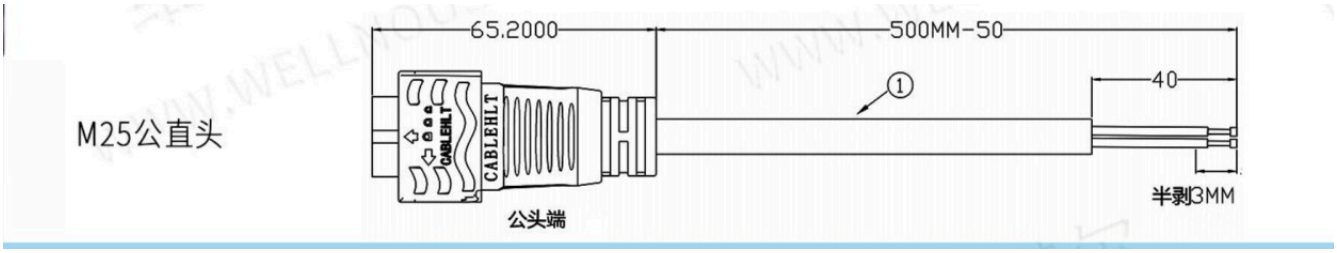


Figure 18. M25 Series: outline and mounting dimensions (1/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

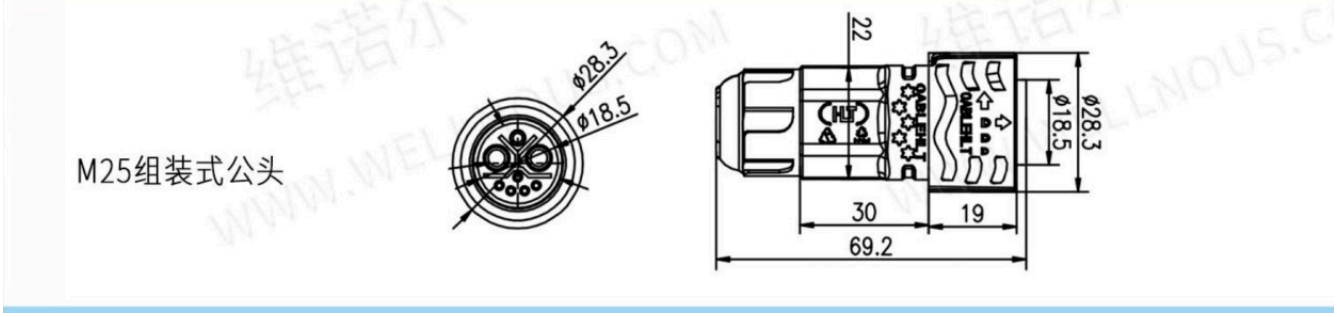


Figure 19. M25 Series: outline and mounting dimensions (2/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

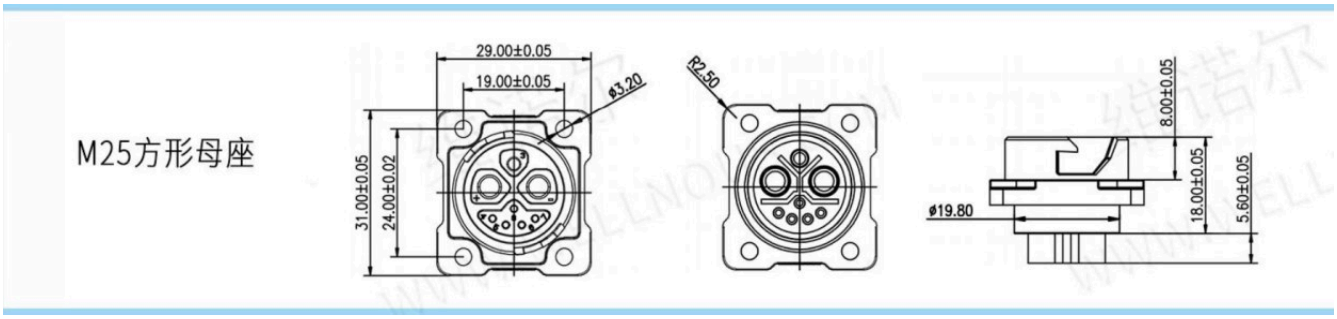


Figure 20. M25 Series: outline and mounting dimensions (3/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

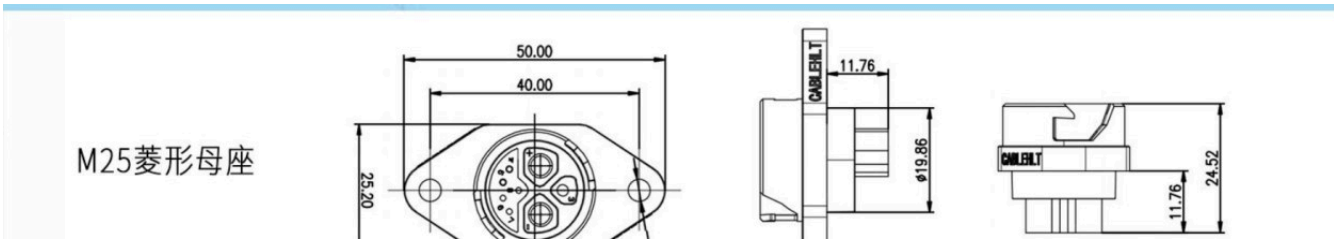


Figure 21. M25 Series: outline and mounting dimensions (4/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

6 M36 Series

Source page 07 of the Chinese edition. E-bike Li-battery charging, waterproof

6.1 Product description

ENGLISH

Product name: M36 e-bike lithium battery charge/discharge waterproof plug; Type: Overmolded; Pin count: 2+6; Coupling: 2+6; Cable length: Standard 0.5 m; custom lengths available; Contact material: Brass, 3U gold plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: E-bikes / motorcycles, new energy vehicles, lithium batteries, energy storage, PV, charging piles, etc.; Rated current: 80/120A.



Figure 22. M36 Series: product views

6.2 Technical data

Item	Value
Product name	M36 e-bike lithium battery charge/discharge waterproof plug
Type	Overmolded
Pin count	2+6
Coupling	2+6
Cable length	Standard 0.5 m; custom lengths available
Contact material	Brass, 3U gold plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	E-bikes / motorcycles, new energy vehicles, lithium batteries, energy storage, PV, charging piles, etc.
Rated current	80/120A

6.3 Dimensions

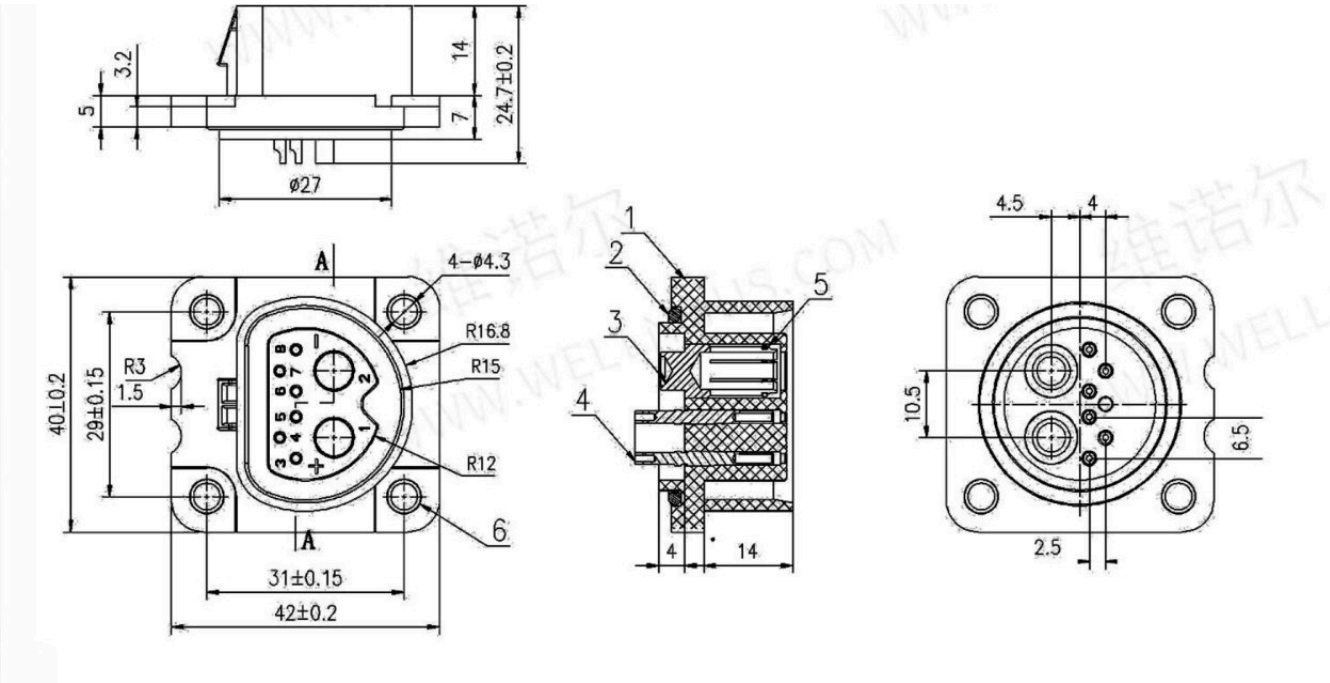


Figure 23. M36 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

7 ND2+5 / ND2+6 Series

Source page 08 of the Chinese edition. E-bike portable charge/discharge, IP67

7.1 Product description

ENGLISH

Product name: ND e-bike handheld charge/discharge waterproof plug; Type: Overmolded; Pin count: 2-8 pin; Coupling: 2+5 / 2+6; Cable length: Standard 1 m; custom lengths available; Contact material: Copper, pure gold / silver plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.; Rated current: 30-50A.



Figure 24. ND2+5 / ND2+6 Series: product views

7.2 Technical data

Item	Value
Product name	ND e-bike handheld charge/discharge waterproof plug
Type	Overmolded
Pin count	2-8 pin
Coupling	2+5 / 2+6
Cable length	Standard 1 m; custom lengths available
Contact material	Copper, pure gold / silver plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.
Rated current	30-50A

7.3 Dimensions

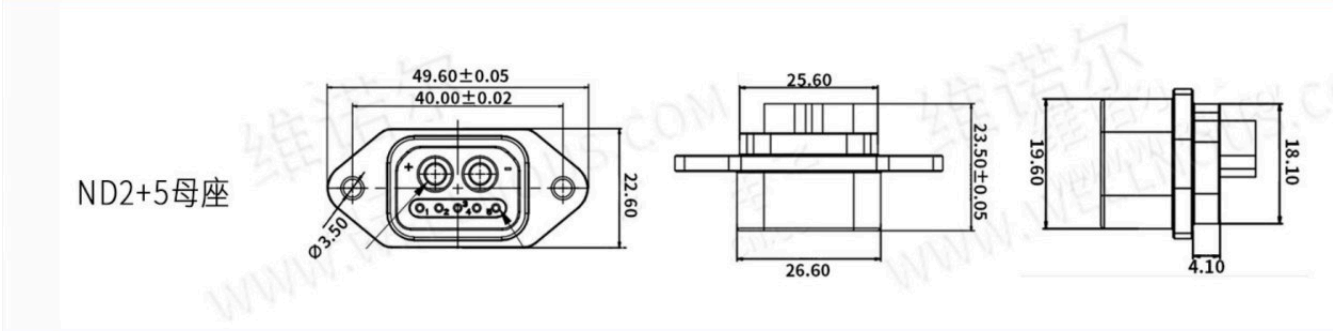


Figure 25. ND2+5 / ND2+6 Series: outline and mounting dimensions (1/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

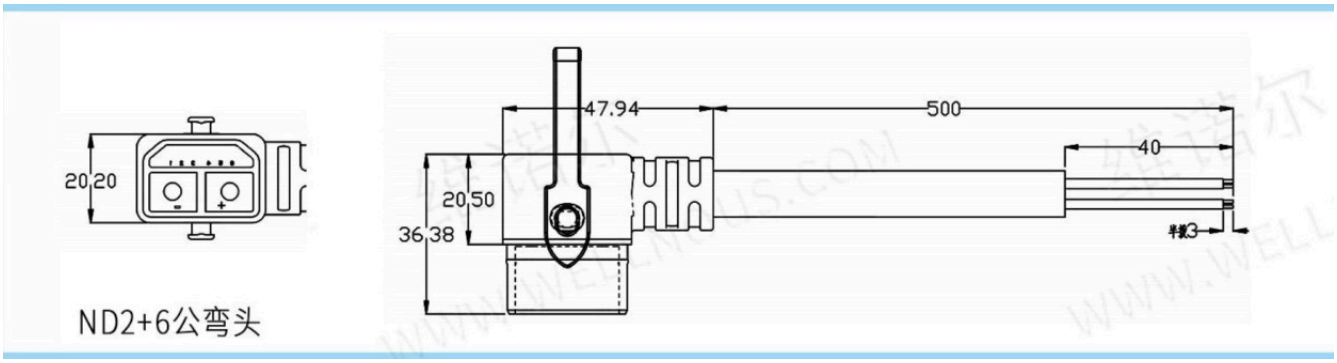


Figure 26. ND2+5 / ND2+6 Series: outline and mounting dimensions (2/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

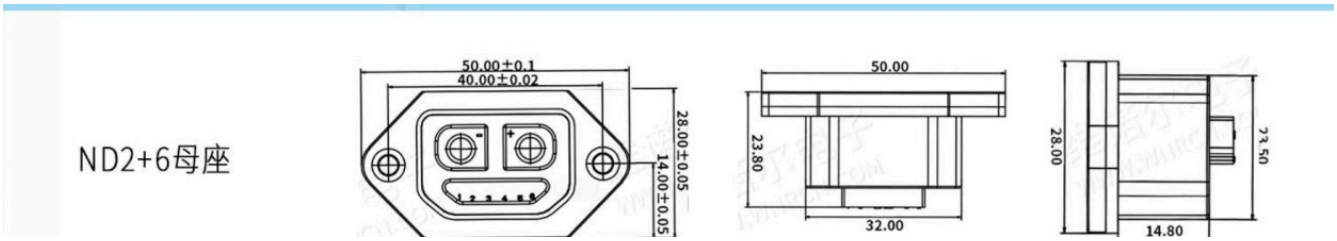


Figure 27. ND2+5 / ND2+6 Series: outline and mounting dimensions (3/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

8 New National Standard 2+2 / 2+4 Series

Source page 09 of the Chinese edition. E-bike charge/discharge, waterproof

8.1 Product description

ENGLISH

Product name: New national standard 2+4 / 2+2 plug; Type: Overmolded; Pin count: 2+2 / 2+4; Coupling: 2+2 / 2+4; Cable length: Standard 0.5 m; custom lengths available; Contact material: Brass, silver and nickel plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: E-bikes / motorcycles, new energy vehicles, lithium batteries, energy storage, PV, charging piles, etc.; Rated current: 10/30A.



Figure 28. New National Standard 2+2 / 2+4 Series: product views

8.2 Technical data

Item	Value
Product name	New national standard 2+4 / 2+2 plug
Type	Overmolded
Pin count	2+2 / 2+4
Coupling	2+2 / 2+4
Cable length	Standard 0.5 m; custom lengths available
Contact material	Brass, silver and nickel plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	E-bikes / motorcycles, new energy vehicles, lithium batteries, energy storage, PV, charging piles, etc.
Rated current	10/30A

8.3 Dimensions

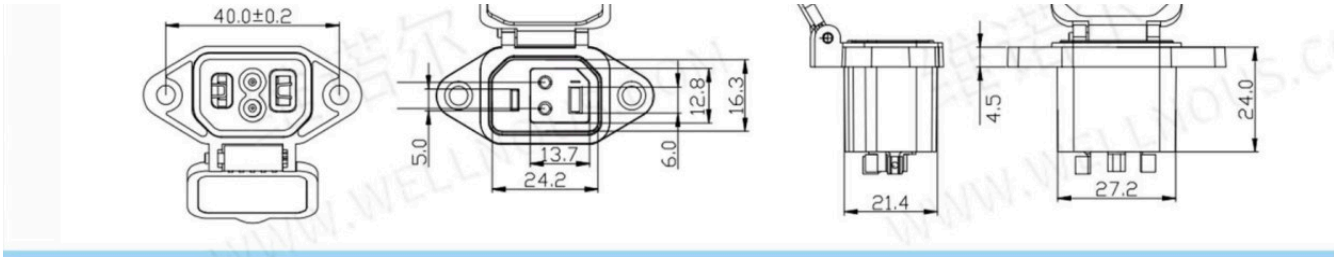


Figure 29. New National Standard 2+2 / 2+4 Series: outline and mounting dimensions (1/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

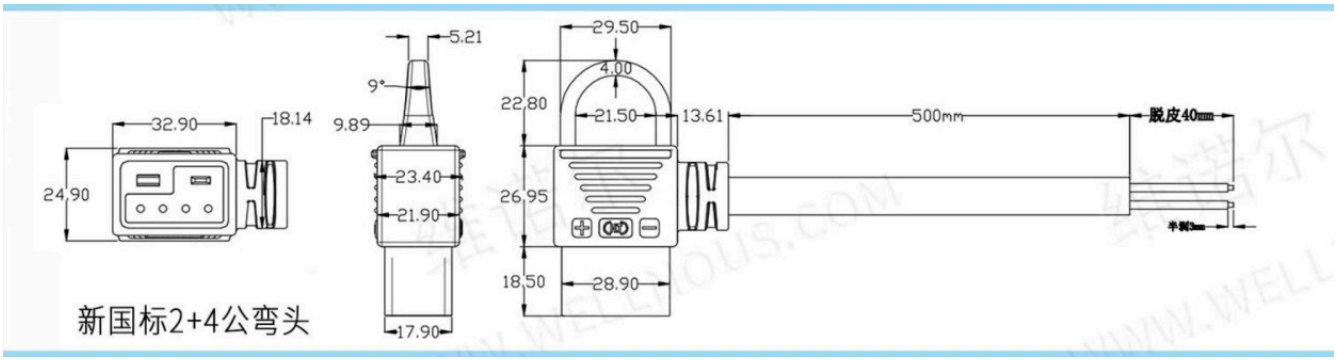


Figure 30. New National Standard 2+2 / 2+4 Series: outline and mounting dimensions (2/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

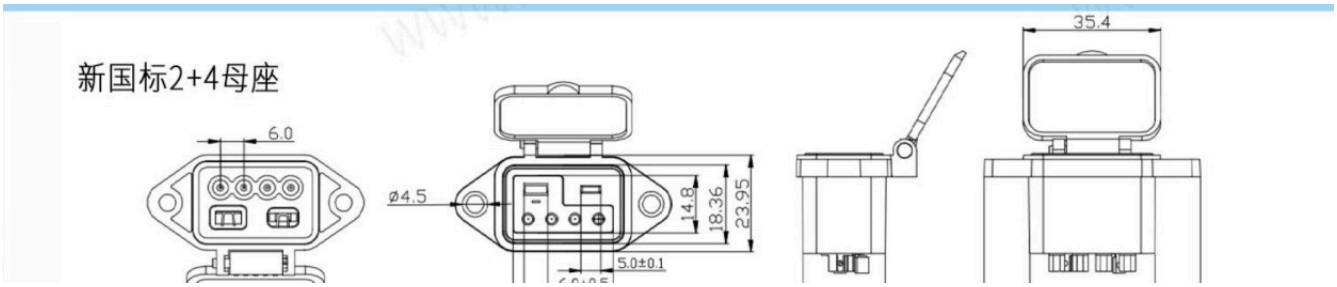


Figure 31. New National Standard 2+2 / 2+4 Series: outline and mounting dimensions (3/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

9 Floating Series

Source page 10 of the Chinese edition. Floating high-power EV-side connector

9.1 Product description

ENGLISH

Product name: Floating high-power EV-side connector; Type: Field assembly + panel mount; Pin count: 2-11 pin; Contact arrangement: 2, 3, 11; Contact material: Copper, pure gold / silver plated; Process: Precision injection molding; Ingress protection: IP67; Flame retardancy: UL94-V0; Other protection: Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion; Applications: Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.; Rated current: 30-50A.

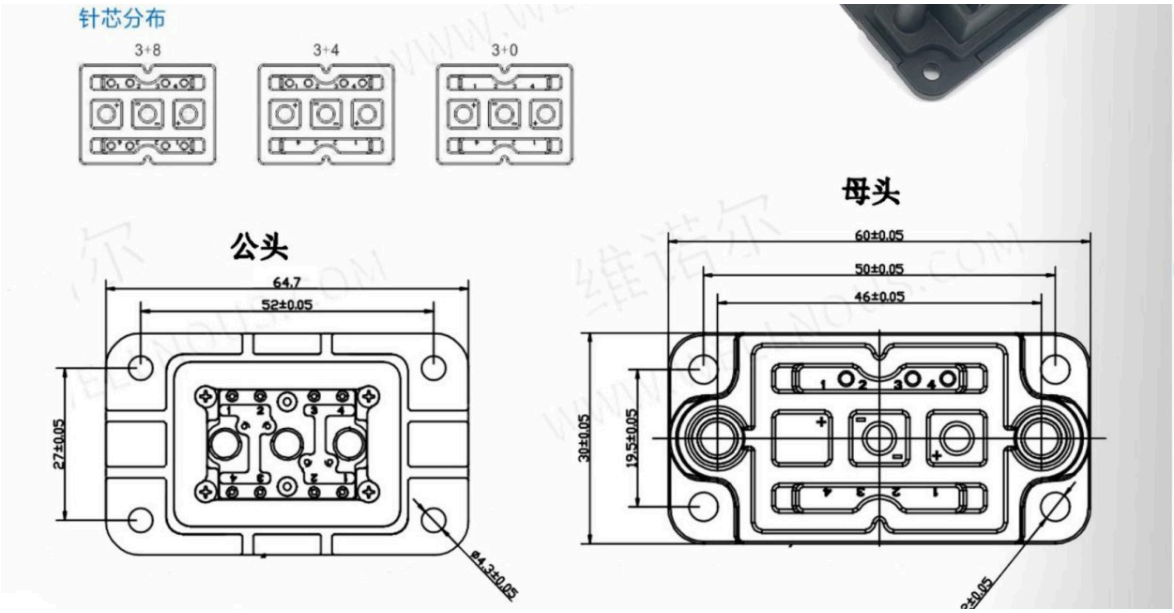


Figure 32. Floating Series: product views

9.2 Technical data

Item	Value
Product name	Floating high-power EV-side connector
Type	Field assembly + panel mount
Pin count	2-11 pin
Contact arrangement	2, 3, 11
Contact material	Copper, pure gold / silver plated
Process	Precision injection molding
Ingress protection	IP67
Flame retardancy	UL94-V0
Other protection	Dust-proof, moisture-proof, vibration-resistant, high-temperature resistant, resistant to oil and grease corrosion
Applications	Shared e-bikes / motorcycles, new energy vehicles, charging piles, etc.
Rated current	30-50A

9.3 DY-F825AG / AM Series

ENGLISH

1. Ambient temperature: -25~80°C; 2. Rated current: power Pin 25A; signal Pin 3A; 3. Contact resistance: ≤20mΩ; 4. Insulation resistance: ≥20mΩ; 5. Withstand voltage: 500V AC (50Hz) 1min; 6. Insertion / extraction force: 30-80N; 7. Male / female mating life: ≥2000 cycles; 8. Flame retardancy: UL94-V0 compliant.

Item	Value
Main technical specifications	
1. Ambient temperature: -25~80°C	
2. Rated current: power Pin 25A; signal Pin 3A	
3. Contact resistance: ≤20mΩ	
4. Insulation resistance: ≥20mΩ	
5. Withstand voltage: 500V AC (50Hz) 1min	
6. Insertion / extraction force: 30-80N	
7. Male / female mating life: ≥2000 cycles	
8. Flame retardancy: UL94-V0 compliant	

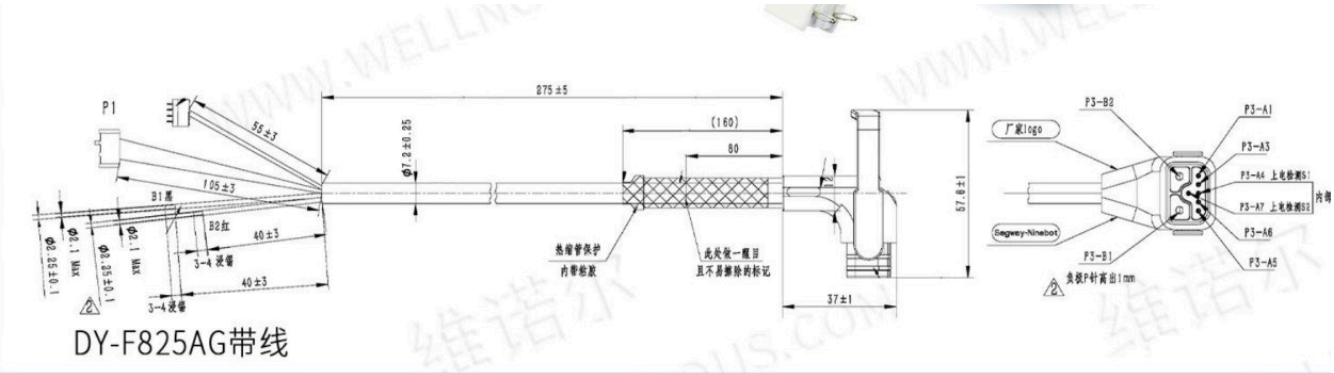


Figure 33. DY-F825AG / AM Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

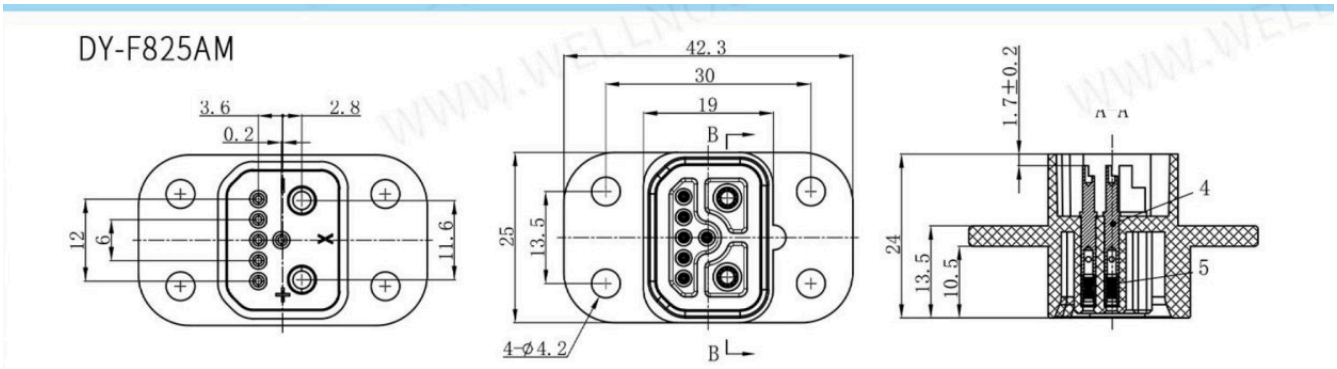


Figure 34. DY-F825AG / AM Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

10 DY-R645AG / AM Series

Source page 11 of the Chinese edition. Power connector (male / female)

10.1 Product description

ENGLISH

1. Ambient temperature: -25~80°C; 2. Rated current: power Pin 70A; signal Pin 19A; 3. Contact resistance: ≤20mΩ; 4. Insulation resistance: ≥500mΩ; 5. Withstand voltage: 1000V AC (50Hz) 1min; 6. Insertion / extraction force: 10-50N; 7. Male / female mating life: ≥3000 cycles; 8. Flame retardancy: UL94-V0 compliant.

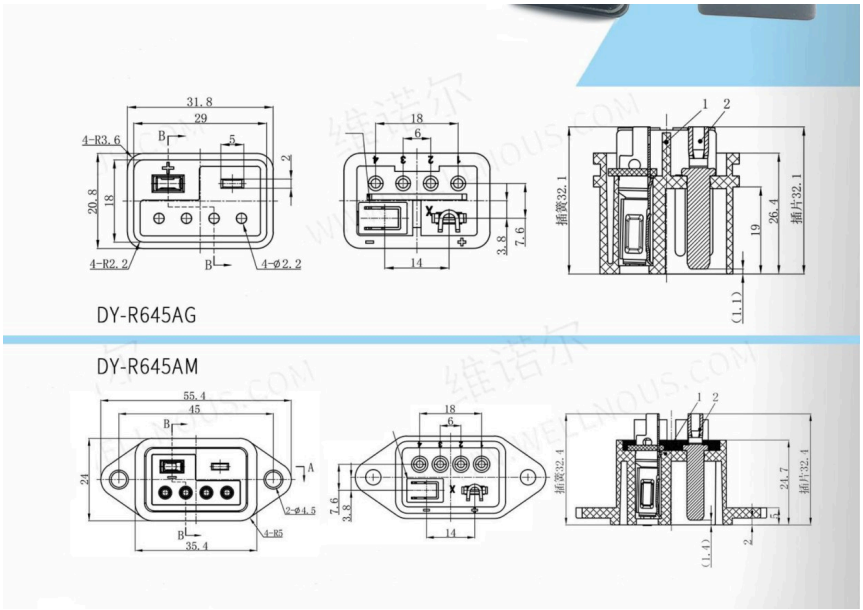


Figure 35. DY-R645AG / AM Series: product views

10.2 Technical data

Item	Value
Main technical specifications	
1. Ambient temperature: -25~80°C	
2. Rated current: power Pin 70A; signal Pin 19A	
3. Contact resistance: ≤20mΩ	
4. Insulation resistance: ≥500mΩ	
5. Withstand voltage: 1000V AC (50Hz) 1min	
6. Insertion / extraction force: 10-50N	
7. Male / female mating life: ≥3000 cycles	
8. Flame retardancy: UL94-V0 compliant	

10.3 DY-S831AG / AM Series

ENGLISH

1. Ambient temperature: -25~80°C; 2. Rated current: power Pin 50A; signal Pin 8A; 3. Contact resistance: ≤20mΩ; 4. Insulation resistance: ≥20mΩ; 5. Withstand voltage: 500V AC (50Hz) 1min; 6. Insertion / extraction force: 30-80N; 7. Male / female mating life: ≥2000 cycles; 8. Flame retardancy: UL94-V0 compliant.

Item	Value
Main technical specifications	

Item	Value
1. Ambient temperature: -25~80°C	
2. Rated current: power Pin 50A; signal Pin 8A	
3. Contact resistance: ≤20mΩ	
4. Insulation resistance: ≥20mΩ	
5. Withstand voltage: 500V AC (50Hz) 1min	
6. Insertion / extraction force: 30-80N	
7. Male / female mating life: ≥2000 cycles	
8. Flame retardancy: UL94-V0 compliant	

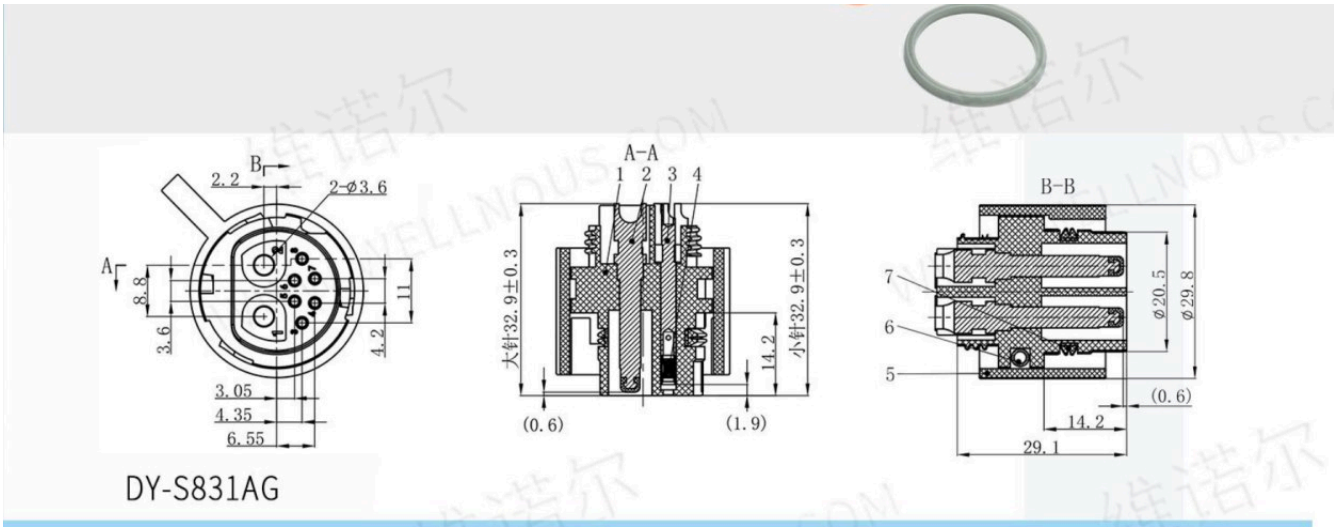


Figure 36. DY-S831AG / AM Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

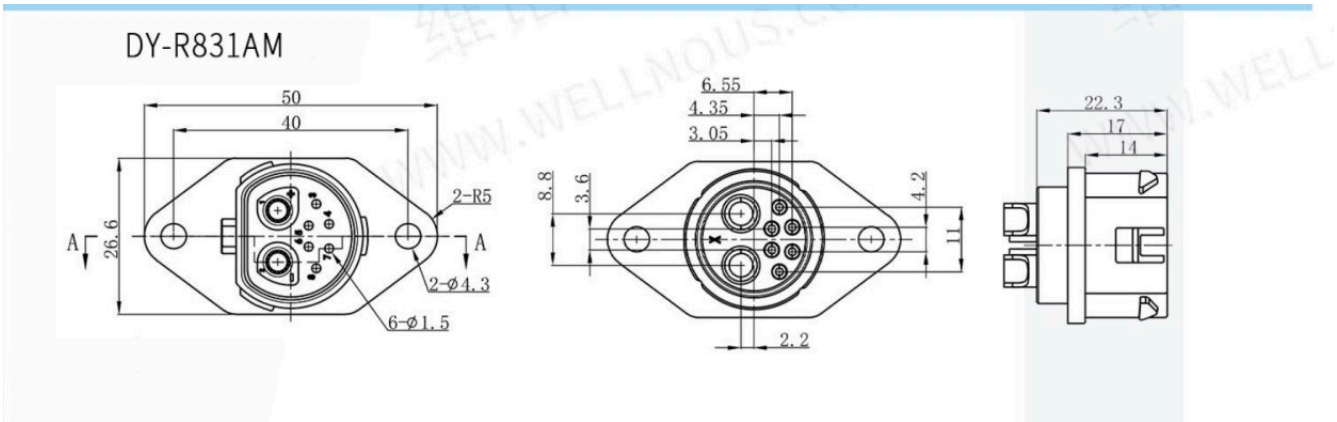


Figure 37. DY-S831AG / AM Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

11 2+5 Series

Source page 12 of the Chinese edition. Power charge/discharge (male/female)

11.1 Product description

ENGLISH

1. Operating conditions:; Ambient temperature: -25~70°; Relative humidity: 95% (40°); 2. Rated load: 500V AC, large terminal 20A, small terminal 3A; 3. Contact resistance: ≤10mΩ; 4. Insulation resistance: ≥100mΩ; 5. Withstand voltage: 500V AC (50Hz) 1min; 6. Insertion / extraction force: 20-60N; 7. Male-female mating life: ≥3000 cycles; 8. Flame retardant rating: UL94-V0.



Figure 38. 2+5 Series: product views

11.2 Technical data

Item	Value
Main technical specifications	
1. Operating conditions:	
Ambient temperature	-25~70°
Relative humidity	95% (40°)
2. Rated load: 500V AC, large terminal 20A, small terminal 3A	
3. Contact resistance: ≤10mΩ	
4. Insulation resistance: ≥100mΩ	
5. Withstand voltage: 500V AC (50Hz) 1min	
6. Insertion / extraction force: 20-60N	
7. Male-female mating life: ≥3000 cycles	
8. Flame retardant rating: UL94-V0	

11.3 3+10 Series

ENGLISH

1. Operating conditions:; Ambient temperature: -25~70°; Relative humidity: 95% (40°); 2. Rated load: 200V AC, large terminal 10A, small terminal 3A; 3. Contact resistance: ≤10mΩ; 4. Insulation resistance: ≥100mΩ; 5.

Withstand voltage: 200V AC (50Hz) 1min; 6. Insertion / extraction force: 40-80N; 7. Male-female mating life: ≥5000 cycles; 8. Flame retardant rating: UL94-V0.

Item	Value
Main technical specifications	
1. Operating conditions:	
Ambient temperature	-25~70°
Relative humidity	95% (40°)
2. Rated load: 200V AC, large terminal 10A, small terminal 3A	
3. Contact resistance: ≤10mΩ	
4. Insulation resistance: ≥100mΩ	
5. Withstand voltage: 200V AC (50Hz) 1min	
6. Insertion / extraction force: 40-80N	
7. Male-female mating life: ≥5000 cycles	
8. Flame retardant rating: UL94-V0	

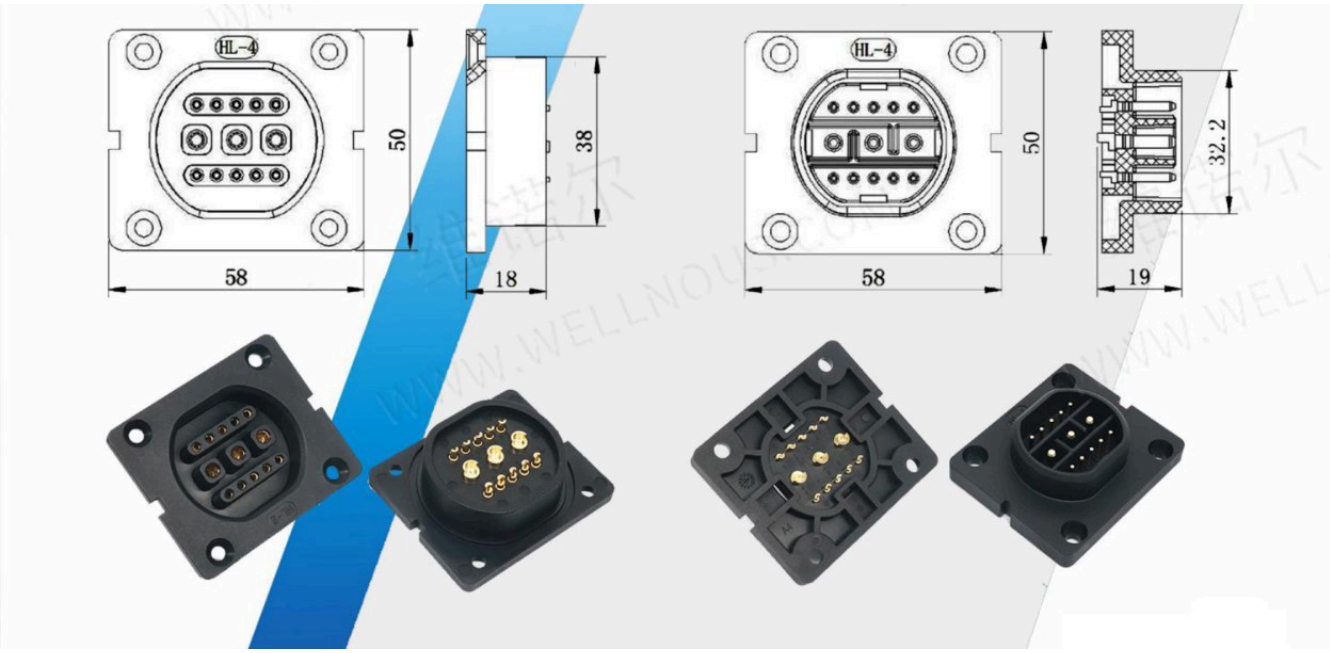


Figure 39. 3+10 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

12 M18-2+6 Series

Source page 13 of the Chinese edition. Power charge/discharge (male/female)

12.1 Product description

ENGLISH

1. Operating conditions:; Ambient temperature: -25~70°; Relative humidity: 95% (40°); 2. Rated load: 500V AC, large terminal 20A, small terminal 3A; 3. Contact resistance: ≤10mΩ; 4. Insulation resistance: ≥100mΩ; 5. Withstand voltage: 500V AC (50Hz) 1min; 6. Insertion / extraction force: 20-60N; 7. Male-female mating life: ≥3000 cycles; 8. Flame retardant rating: UL94-V0.

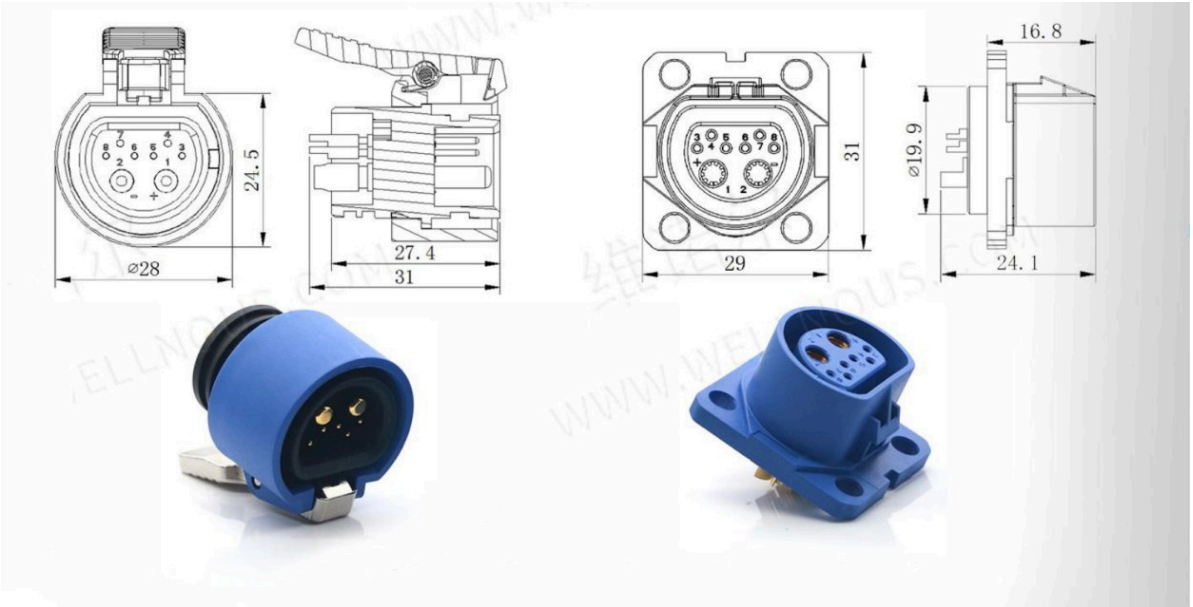


Figure 40. M18-2+6 Series: product views

12.2 Technical data

Item	Value
Main technical specifications	
1. Operating conditions:	
Ambient temperature	-25~70°
Relative humidity	95% (40°)
2. Rated load: 500V AC, large terminal 20A, small terminal 3A	
3. Contact resistance: ≤10mΩ	
4. Insulation resistance: ≥100mΩ	
5. Withstand voltage: 500V AC (50Hz) 1min	
6. Insertion / extraction force: 20-60N	
7. Male-female mating life: ≥3000 cycles	
8. Flame retardant rating: UL94-V0	

12.3 DY-F985AG/AM Series

ENGLISH

Ambient temperature: -25~80°; Rated current: 30A; Contact resistance: ≤20mΩ; Insulation resistance: ≥20mΩ; Withstand voltage: 500V AC (50Hz) 1min; Insertion / extraction force: 40-200N; Male-female mating life: ≥3000 cycles; Flame retardant rating: UL94-V0.

Item	Value
Main technical specifications	
Ambient temperature	-25~80°
Rated current	30A
Contact resistance	≤20mΩ
Insulation resistance	≥20mΩ
Withstand voltage	500V AC (50Hz) 1min
Insertion / extraction force	40-200N
Male-female mating life	≥3000 cycles
Flame retardant rating	UL94-V0

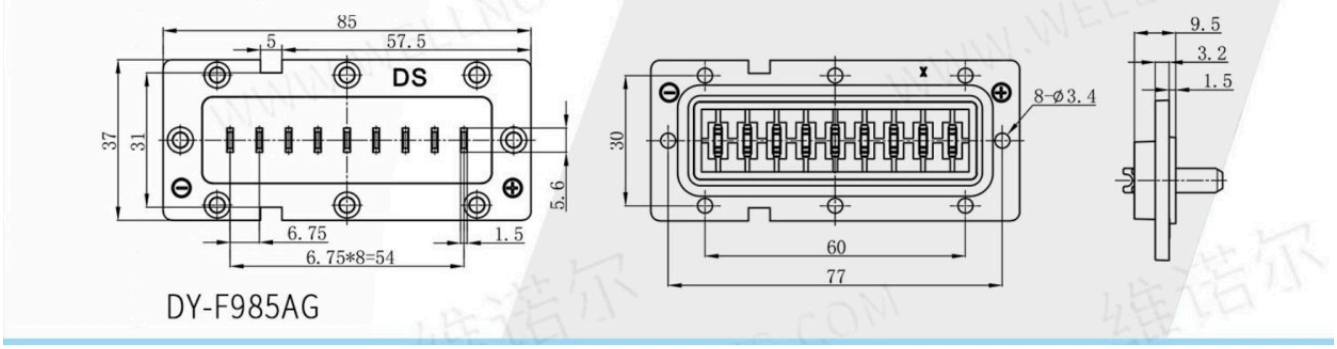


Figure 41. DY-F985AG/AM Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

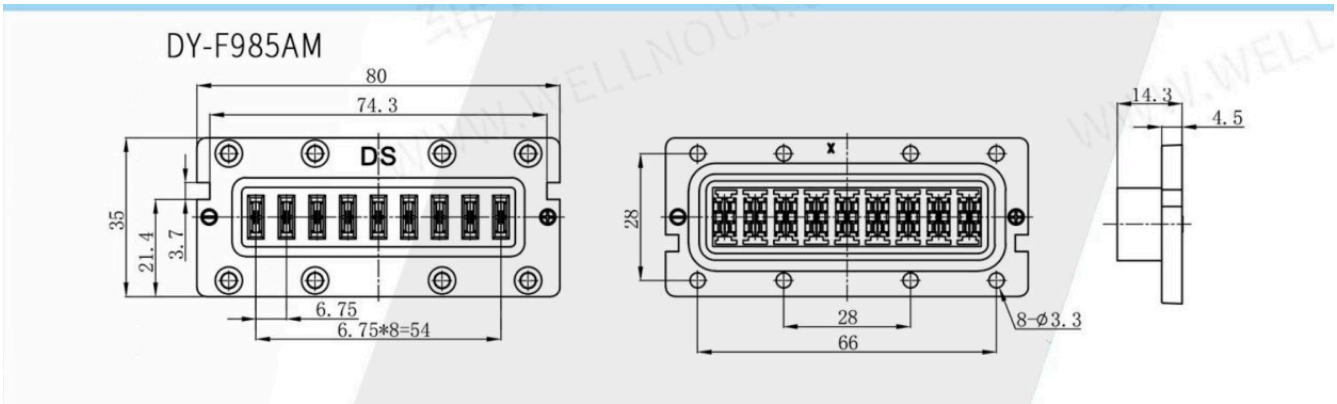


Figure 42. DY-F985AG/AM Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

13 M19 Series

Source page 14 of the Chinese edition. Power connectors (male/female)

13.1 Product description

ENGLISH

1. Operating conditions:; Ambient temperature: -25~70°C; Relative humidity: 90% (40°C); 2. Rated load: DC300V 20A; 3. Contact resistance: ≤10mΩ; 4. Insulation resistance: ≥100mΩ; 5. Withstand voltage: AC2000V (50Hz) 1min; 6. Insertion / extraction force: 10-40N; 7. Life: ≥3000 cycles; 8. Salt spray test: 72 hour.



Figure 43. M19 Series: product views

13.2 Technical data

Item	Value
Main technical specifications	
1. Operating conditions:	
Ambient temperature	-25~70°C
Relative humidity	90% (40°C)
2. Rated load: DC300V 20A	
3. Contact resistance: ≤10mΩ	
4. Insulation resistance: ≥100mΩ	
5. Withstand voltage: AC2000V (50Hz) 1min	
6. Insertion / extraction force: 10-40N	
7. Life: ≥3000 cycles	
8. Salt spray test: 72 hour	

13.3 Dimensions

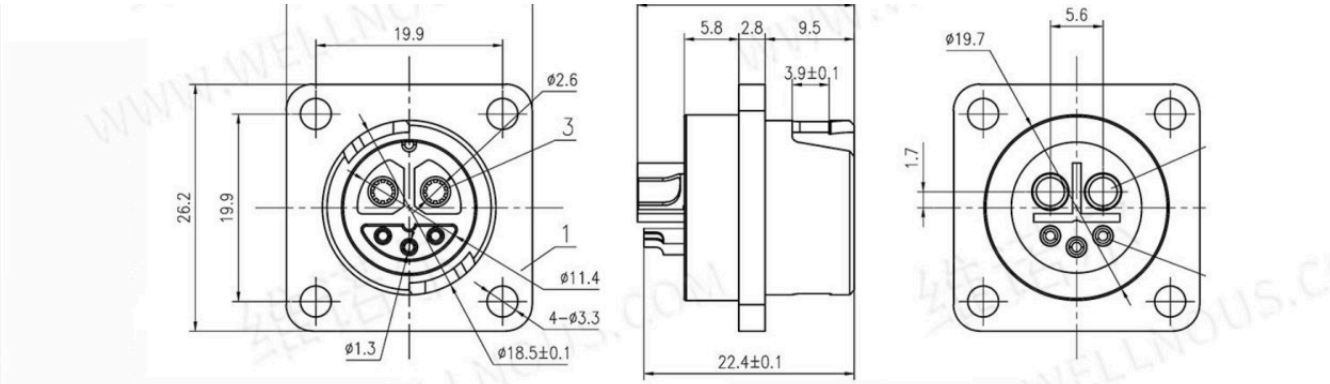


Figure 44. M19 Series: outline and mounting dimensions (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

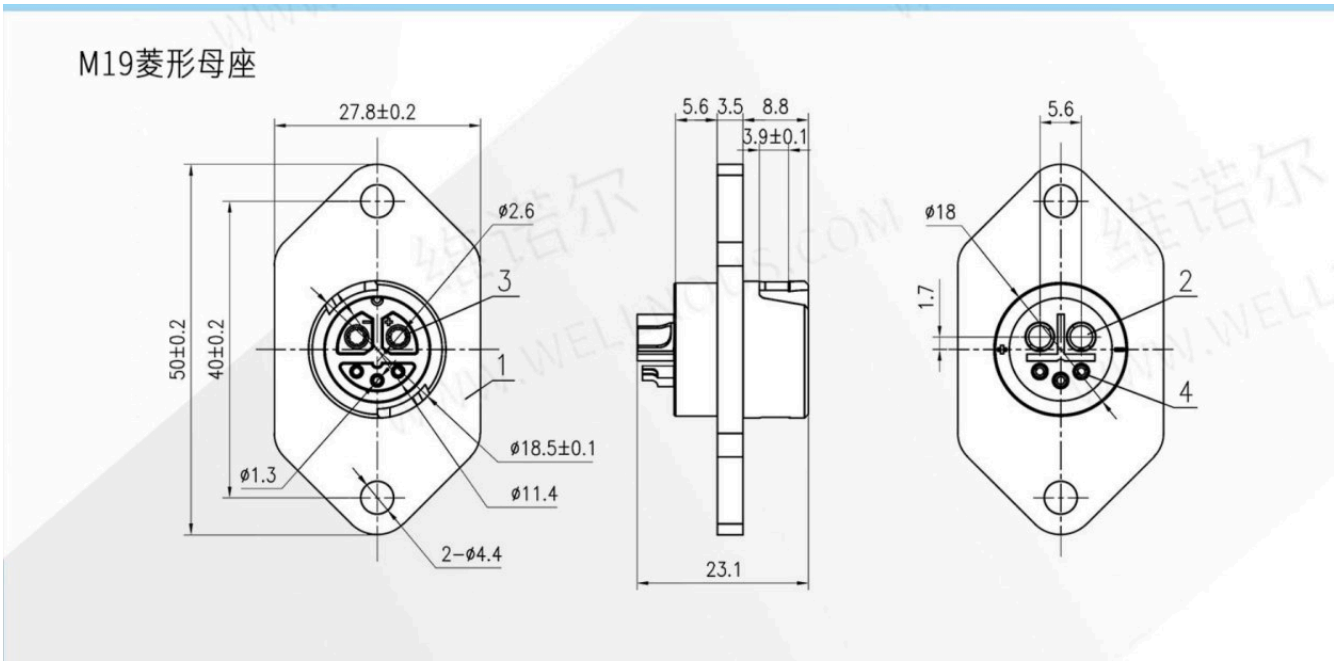


Figure 45. M19 Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

14 M23 Series

Source page 15 of the Chinese edition. Power connectors (male/female)

14.1 Product description

ENGLISH

1. Operating conditions:; Ambient temperature: -25~70°C; Relative humidity: 90% (40°C); 2. Rated load: DC300V 30A; 3. Contact resistance: ≤10mΩ; 4. Insulation resistance: ≥100mΩ; 5. Withstand voltage: AC2000V (50Hz) 1min; 6. Insertion / extraction force: 20-60N; 7. Life: ≥3000 cycles; 8. Salt spray test: 72 hour.



Figure 46. M23 Series: product views

14.2 Technical data

Item	Value
Main technical specifications	
1. Operating conditions:	
Ambient temperature	-25~70°C
Relative humidity	90% (40°C)
2. Rated load: DC300V 30A	
3. Contact resistance: ≤10mΩ	
4. Insulation resistance: ≥100mΩ	
5. Withstand voltage: AC2000V (50Hz) 1min	
6. Insertion / extraction force: 20-60N	
7. Life: ≥3000 cycles	
8. Salt spray test: 72 hour	

14.3 Dimensions

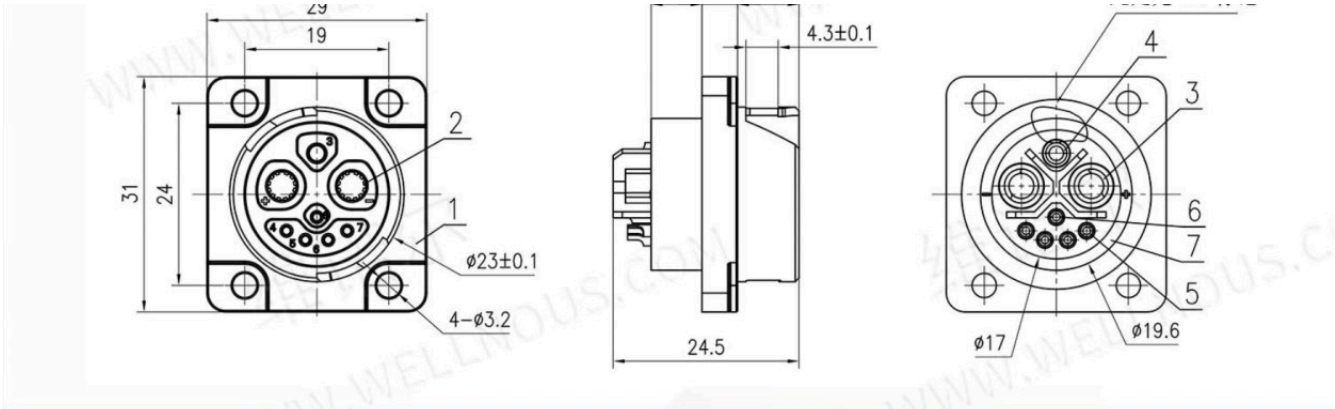


Figure 47. M23 Series: outline and mounting dimensions (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

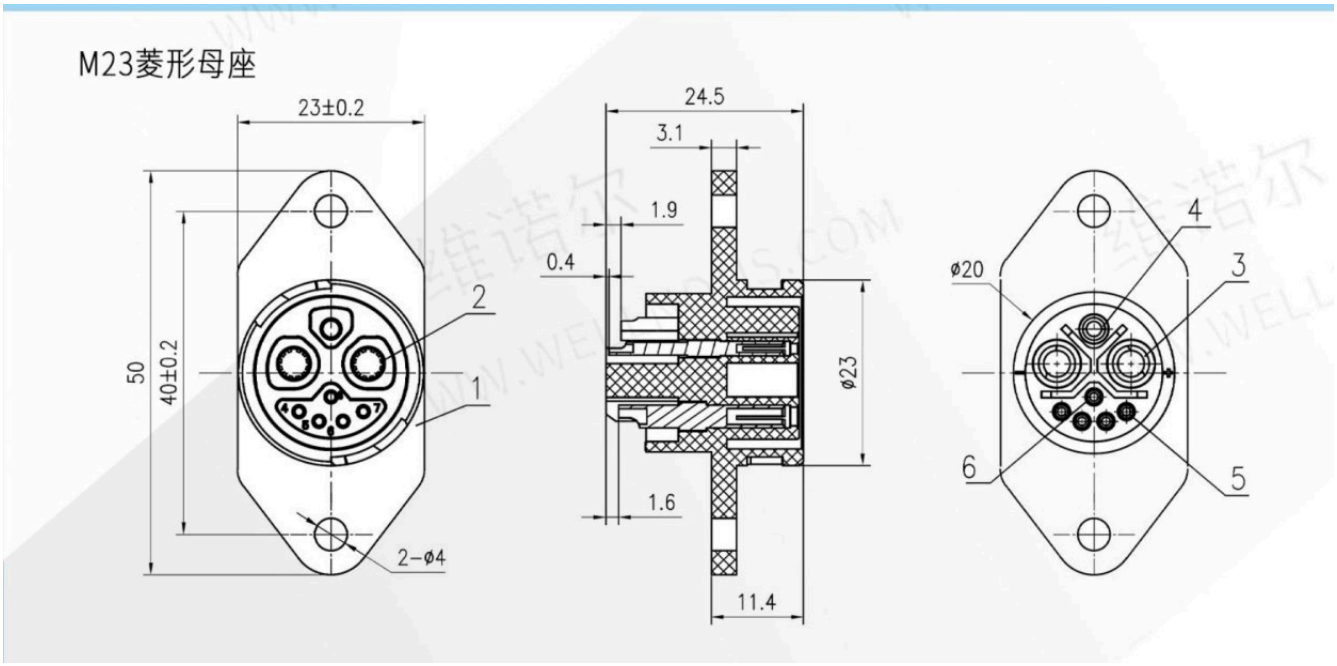


Figure 48. M23 Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

15 Small Square Series

Source page 16 of the Chinese edition. High-voltage interlock connector

15.1 Product description

ENGLISH

1. Service life: ≥500 cycles; 2. Insertion / extraction force: <100N; 3. Rated voltage: 800V DC; 4. Rated current: max 46A, ambient temperature 70°C; 5. Insulation resistance: >200mΩ; 6. Dielectric withstand voltage: 3000V AC; 7. Ingress protection: IP67; 8. Touch protection: IP2XB; 9. Ambient temperature: -40°C~125°C; Applications: AC slow-charging input for new-energy vehicles, air conditioning, oil pumps, electric heating and other auxiliary equipment.



Figure 49. Small Square Series: product views

15.2 Technical data

Item	Value
Main technical specifications	
1. Service life: ≥500 cycles	
2. Insertion / extraction force: <100N	
3. Rated voltage: 800V DC	
4. Rated current: max 46A, ambient temperature 70°C	
5. Insulation resistance: >200mΩ	
6. Dielectric withstand voltage: 3000V AC	
7. Ingress protection: IP67	
8. Touch protection: IP2XB	
9. Ambient temperature: -40°C~125°C	
Applications	AC slow-charging input for new-energy vehicles, air conditioning, oil pumps, electric heating and other auxiliary equipment

15.3 Dimensions

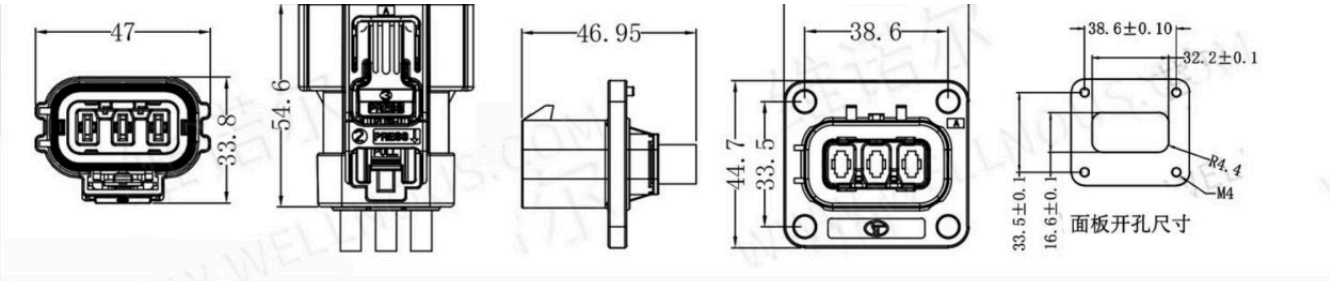


Figure 50. Small Square Series: outline and mounting dimensions (1/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

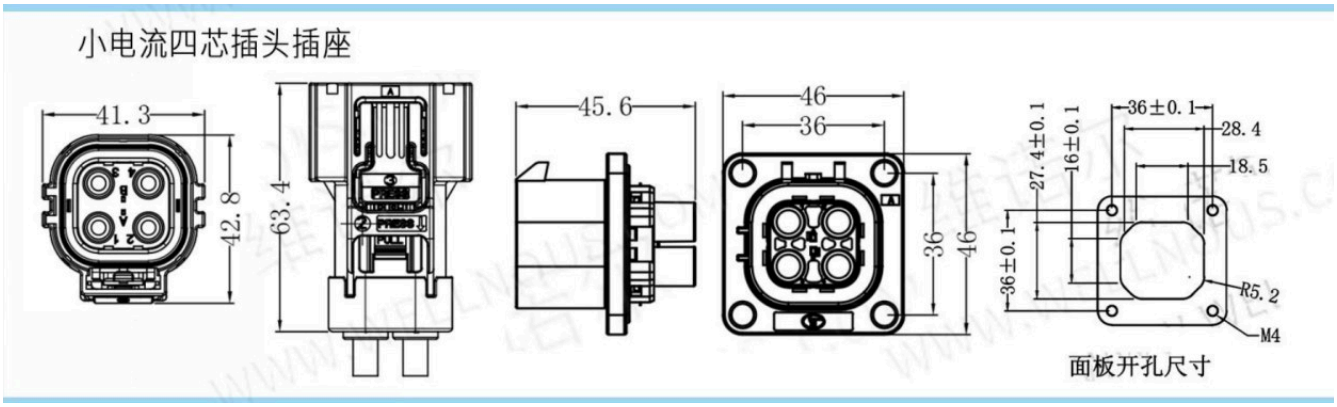


Figure 51. Small Square Series: outline and mounting dimensions (2/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

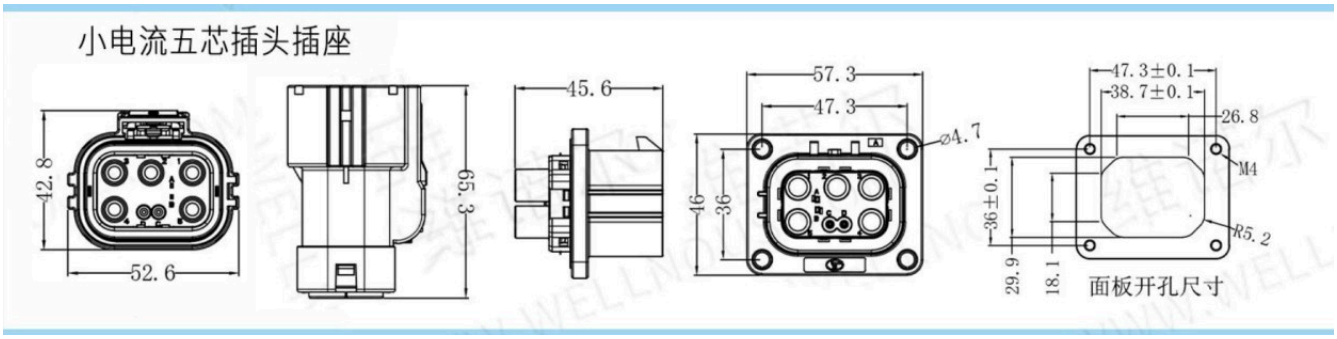


Figure 52. Small Square Series: outline and mounting dimensions (3/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

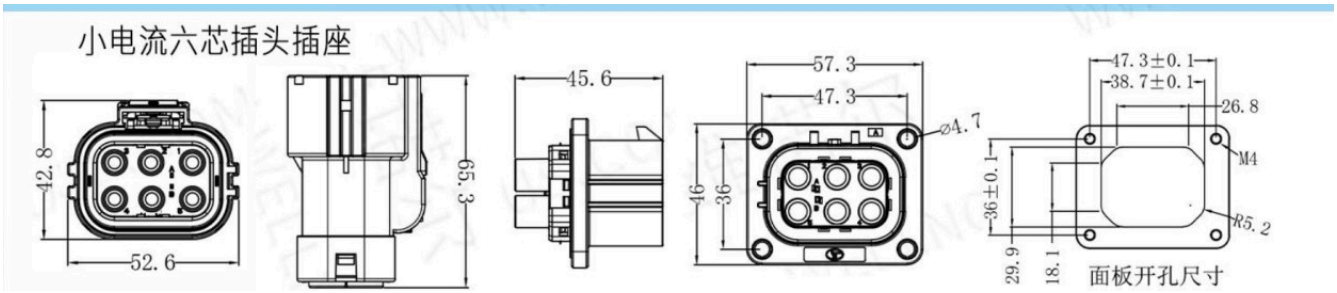


Figure 53. Small Square Series: outline and mounting dimensions (4/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

16 8mm Right-angle Series

Source page 17 of the Chinese edition. High-voltage interlock connector

16.1 Product description

ENGLISH

1. Pull-out force: ≤100N; 2. Temperature range: -40°C~140°C; 3. Max rated voltage: 1500V DC; 4. Max working current: 25mm²=125A, 35mm²=150A, 50mm²=200A; 5. Mating cycles: min. 50; 6. Ingress protection: IP67, IP6K9K (mated), IPXXB (unmated); 7. Compatible cable: 25/35/50mm², shielded; 8. Terminal specification: Φ8mm Radsok, silver plated.

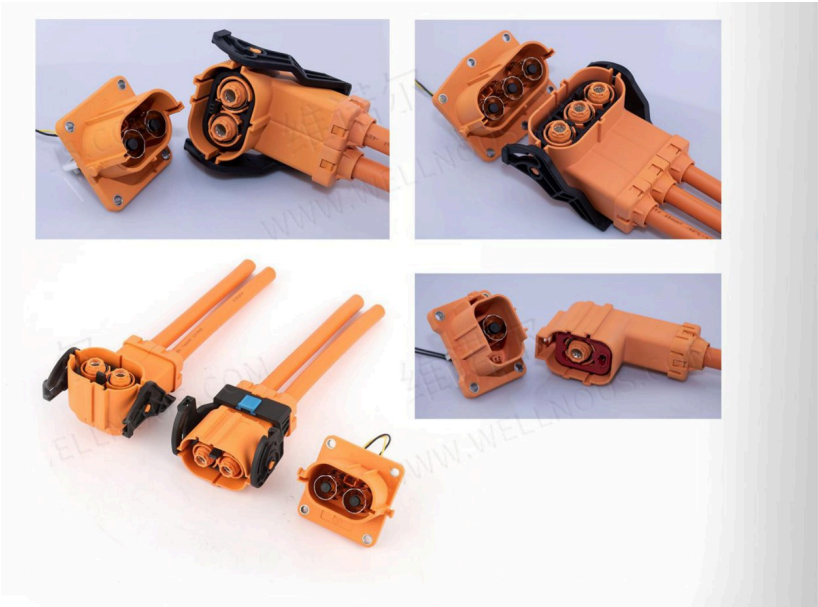


Figure 54. 8mm Right-angle Series: product views

16.2 Technical data

Item	Value
Features	
1. Pull-out force: ≤100N	
2. Temperature range: -40°C~140°C	
3. Max rated voltage: 1500V DC	
4. Max working current: 25mm²=125A, 35mm²=150A, 50mm²=200A	
5. Mating cycles: min. 50	
6. Ingress protection: IP67, IP6K9K (mated), IPXXB (unmated)	
7. Compatible cable: 25/35/50mm², shielded	
8. Terminal specification: Φ8mm Radsok, silver plated	

16.3 Dimensions

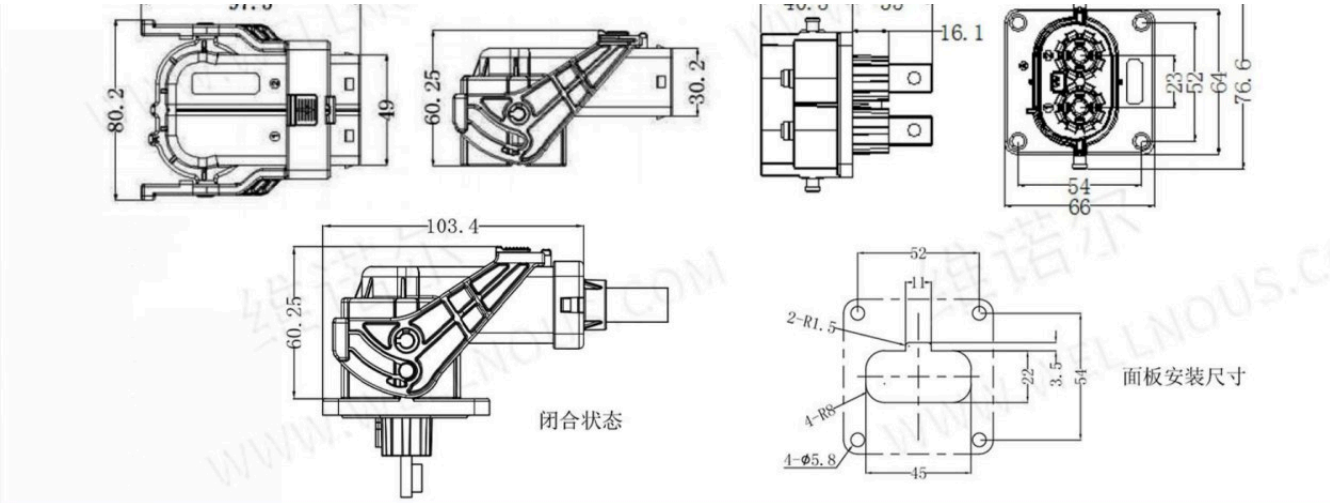


Figure 55. 8mm Right-angle Series: outline and mounting dimensions (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

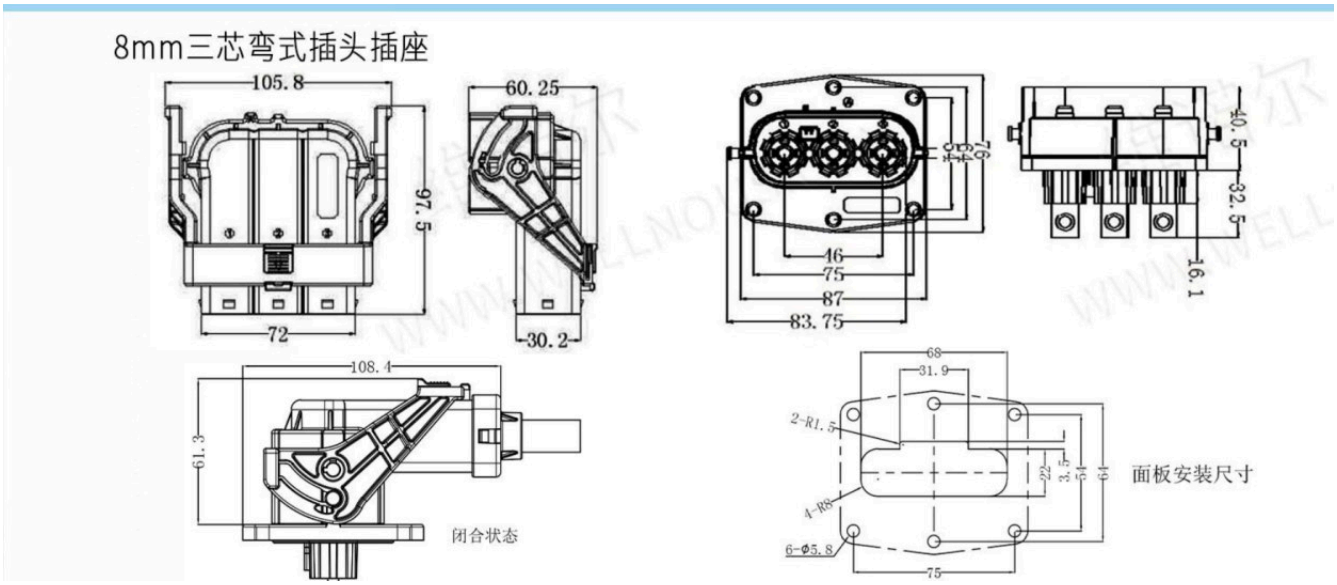


Figure 56. 8mm Right-angle Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

17 8mm Straight Series

Source page 18 of the Chinese edition. High-voltage interlock connector

17.1 Product description

ENGLISH

1. Pull-out force: ≤100N; 2. Temperature range: -40°C~140°C; 3. Max rated voltage: 1500V DC; 4. Max working current: 25mm²=125A, 35mm²=150A, 50mm²=200A; 5. Mating cycles: min. 50; 6. Ingress protection: IP67, IP6K9K (mated), IPXXB (unmated); 7. Compatible cable: 25/35/50mm², shielded; 8. Terminal specification: Φ8mm Radsok, silver plated.



Figure 57. 8mm Straight Series: product views

17.2 Technical data

Item	Value
Features	
1. Pull-out force: ≤100N	
2. Temperature range: -40°C~140°C	
3. Max rated voltage: 1500V DC	
4. Max working current: 25mm²=125A, 35mm²=150A, 50mm²=200A	
5. Mating cycles: min. 50	
6. Ingress protection: IP67, IP6K9K (mated), IPXXB (unmated)	
7. Compatible cable: 25/35/50mm², shielded	
8. Terminal specification: Φ8mm Radsok, silver plated	

17.3 Dimensions

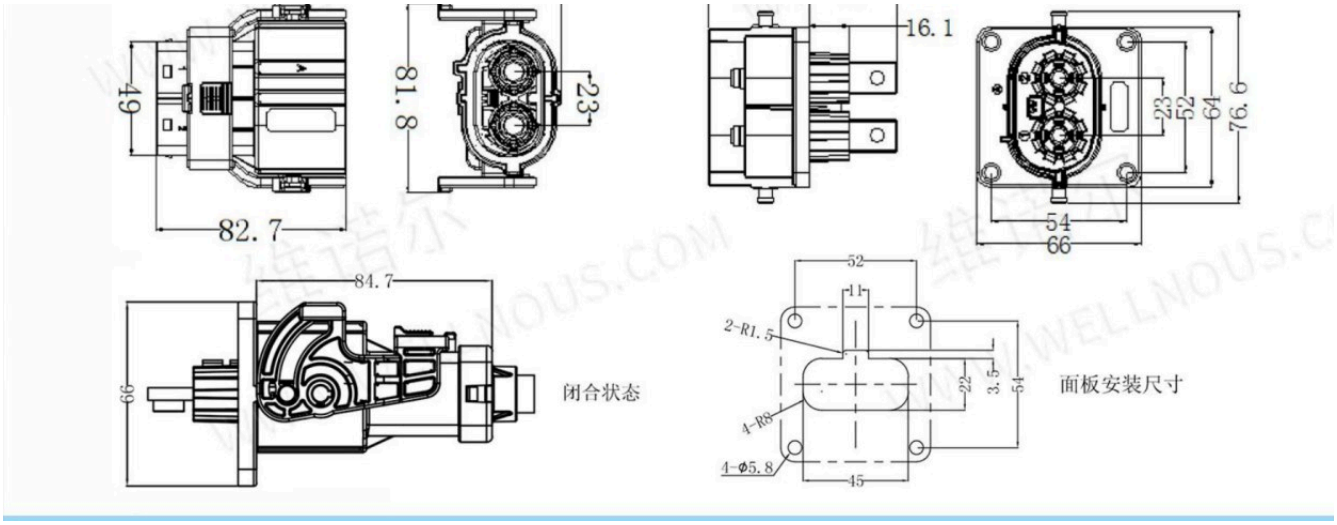


Figure 58. 8mm Straight Series: outline and mounting dimensions (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

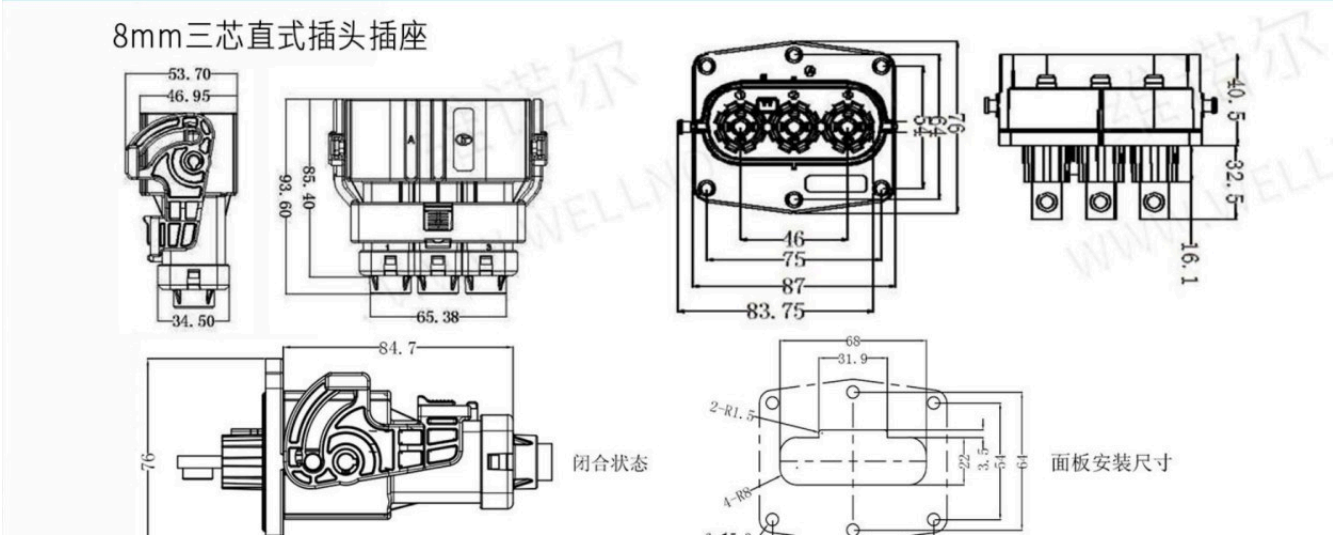


Figure 59. 8mm Straight Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

18 Metal HV Series

Source page 19 of the Chinese edition. High-voltage connectors

18.1 Product description

ENGLISH

1. Operating temperature: -40°C~125°C; 2. Vibration resistance: 15g, impact resistance 30g; 3. Working current: 25mm²=125A, 35mm²=150A, 50mm²=200A; 4. Max DC voltage: 600V; 5. RADSOK terminal technology (copper alloy, silver plated, 8mm crimp); 6. Min. 500 mating cycles; 7. Salt spray 48 hours, no corrosion or oxidation; 8. EMI resistance; 9. Mated condition: IP67.

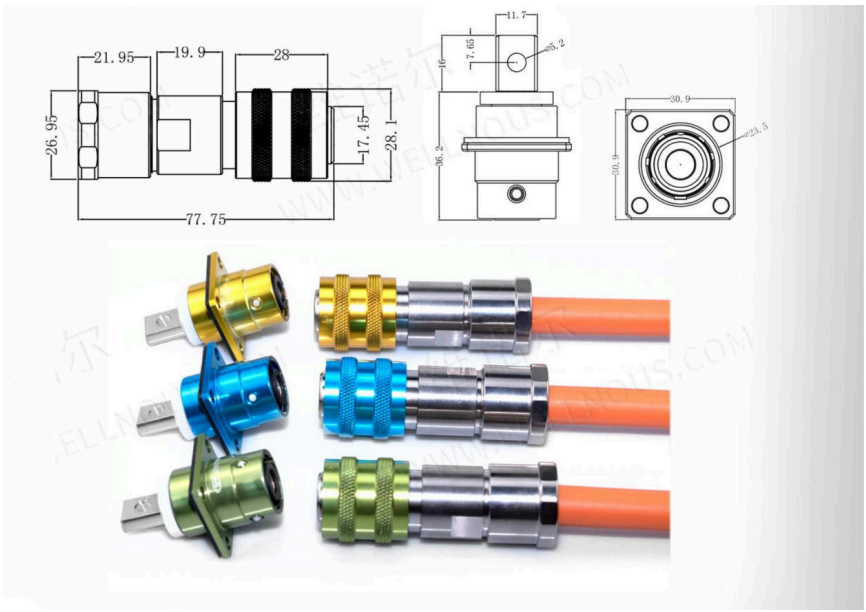


Figure 60. Metal HV Series: product views

18.2 Technical data

Item	Value
Features	
1. Operating temperature: -40°C~125°C	
2. Vibration resistance: 15g, impact resistance 30g	
3. Working current: 25mm²=125A, 35mm²=150A, 50mm²=200A	
4. Max DC voltage: 600V	
5. RADSOK terminal technology (copper alloy, silver plated, 8mm crimp)	
6. Min. 500 mating cycles	
7. Salt spray 48 hours, no corrosion or oxidation	
8. EMI resistance	
9. Mated condition: IP67	

18.3 Charging Gun Series

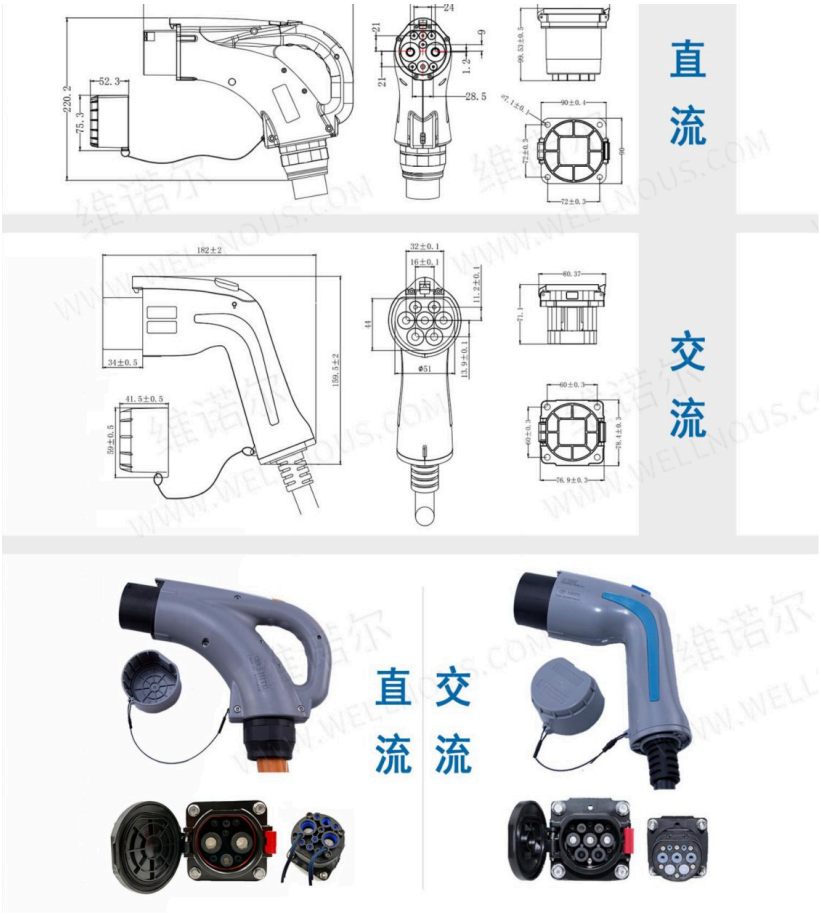


Figure 61. Charging Gun Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

19 Manual Service Switch

Source page 20 of the Chinese edition. High-voltage connectors

19.1 Product description

ENGLISH

1. Applicable part temperature range: -40°C~125°C; 2. Mechanical life: ≥200 cycles; 3. Ingress protection: IP67; 4. Electrical performance:; Fuse rated working voltage: 690V/700V; Fuse rated working current: 120A-300A of the overall rated working current; Fuse rated current is determined mainly by the maximum permitted vehicle overload current and overload duration; 5. HV interlock function: twist-wire structure, 2 x Φ10mm male terminals, socket copper bar thread; 6. Features: fuse and analysis device combined in one; direct-plug, mechanical latch locking; 7. Applications: EV power management systems, power connection overload and short-circuit protection for high-current main lines.

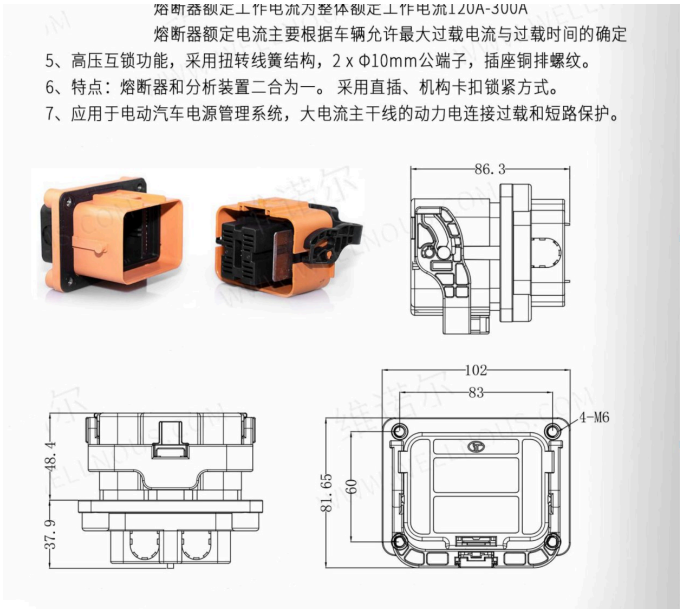


Figure 62. Manual Service Switch: product views

19.2 Technical data

Item	Value
Features	
1. Applicable part temperature range: -40°C~125°C	
2. Mechanical life: ≥200 cycles	
3. Ingress protection: IP67	
4. Electrical performance:	
Fuse rated working voltage: 690V/700V	
Fuse rated working current: 120A-300A of the overall rated working current	
Fuse rated current is determined mainly by the maximum permitted vehicle overload current and overload duration	
5. HV interlock function: twist-wire structure, 2 x Φ10mm male terminals, socket copper bar thread	
6. Features: fuse and analysis device combined in one; direct-plug, mechanical latch locking	
7. Applications: EV power management systems, power connection overload and short-circuit protection for high-current main lines	

19.3 Bulkhead Connector

ENGLISH

1. Rated voltage: 1000V DC; 2. Dielectric withstand voltage: 3000V AC; 3. EMI shielding: 360° shielding; 4. Working temperature: -40°C ~ 125°C; 5. Ingress protection: IP67, IP6K9K (mated); 6. Terminal crimp retention: 25mm²/1900N, 35mm²/2300N, 50mm²/2800N; 7. Termination: crimp.

Item	Value
Features	
1. Rated voltage: 1000V DC	
2. Dielectric withstand voltage: 3000V AC	
3. EMI shielding: 360° shielding	
4. Working temperature: -40°C ~ 125°C	
5. Ingress protection: IP67, IP6K9K (mated)	
6. Terminal crimp retention: 25mm²/1900N, 35mm²/2300N, 50mm²/2800N	
7. Termination: crimp	

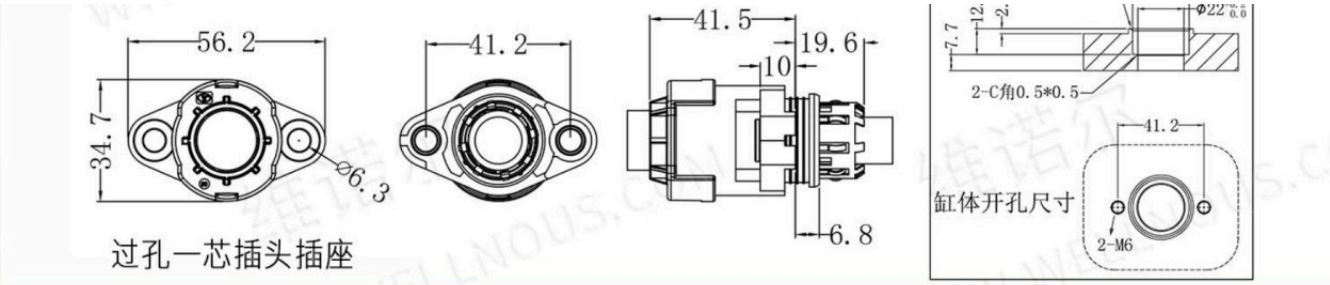


Figure 63. Bulkhead Connector: product views (1/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

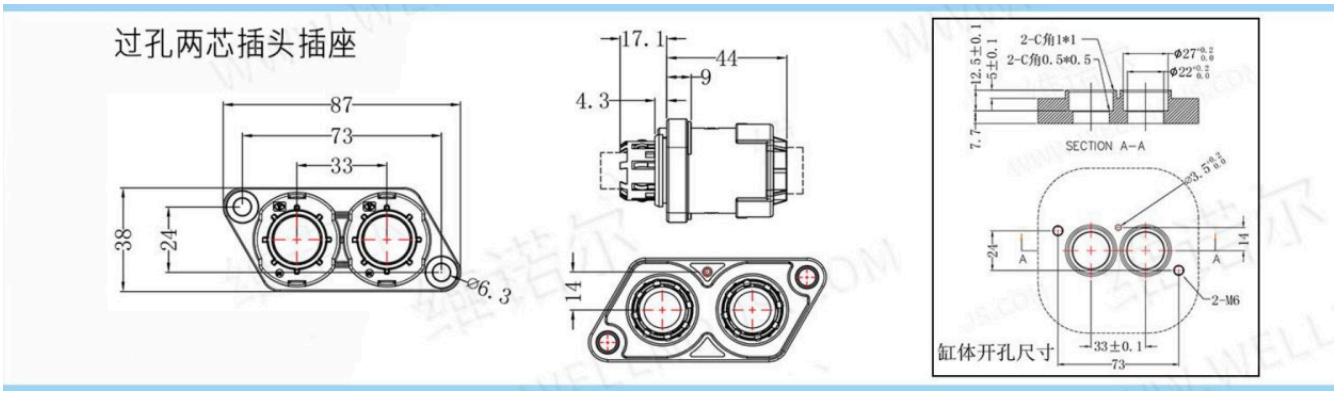


Figure 64. Bulkhead Connector: outline and mounting dimensions (2/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

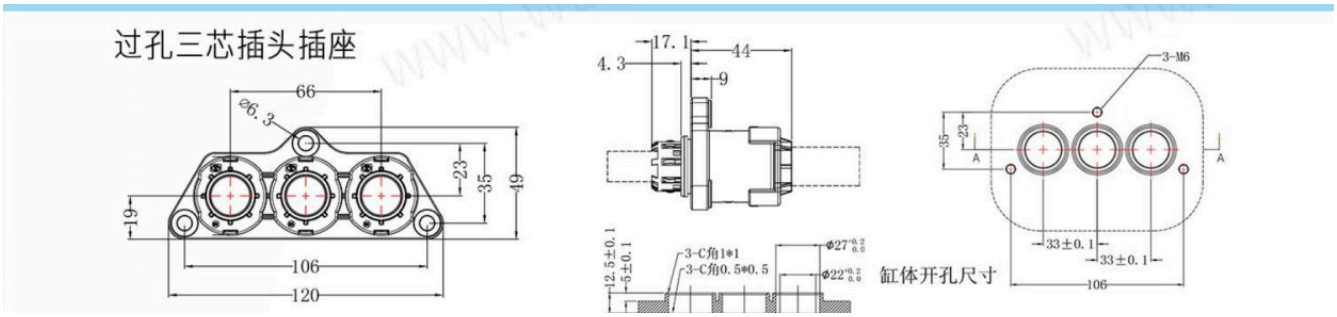


Figure 65. Bulkhead Connector: outline and mounting dimensions (3/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

20 Φ5.7 Right-angle Plug Series

Source page 21 of the Chinese edition. Energy storage connectors

20.1 Product description

ENGLISH

1. Service life: ≥500 cycles; 2. Cable range: 16-25mm² unshielded cable; 3. Insertion / extraction force: <100N; 4. Rated voltage: 1500V DC; 5. Rated current: max 125A; 6. Insulation resistance: >2000mΩ; 7. Dielectric withstand voltage: 3000V AC; 8. Ingress protection: IP67 (mated); 9. Touch protection: IP2XB; 10. Operating temperature: -40°C~125°C.

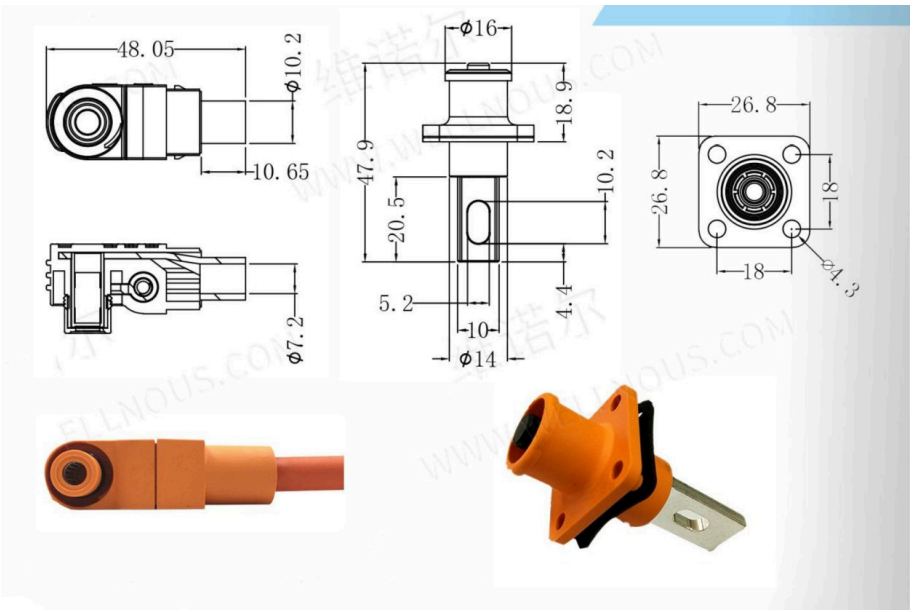


Figure 66. Φ5.7 Right-angle Plug Series: product views

20.2 Technical data

Item	Value
Main technical specifications	
1. Service life: ≥500 cycles	
2. Cable range: 16-25mm² unshielded cable	
3. Insertion / extraction force: <100N	
4. Rated voltage: 1500V DC	
5. Rated current: max 125A	
6. Insulation resistance: >2000mΩ	
7. Dielectric withstand voltage: 3000V AC	
8. Ingress protection: IP67 (mated)	
9. Touch protection: IP2XB	
10. Operating temperature: -40°C~125°C	

20.3 Φ8.0 Right-angle Plug Series

ENGLISH

1. Service life: ≥500 cycles; 2. Cable range: 35-50mm² unshielded cable; 3. Insertion / extraction force: <100N; 4. Rated voltage: 1500V DC; 5. Rated current: max 250A; 6. Insulation resistance: >2000mΩ; 7. Dielectric

withstand voltage: 3000V AC; 8. Ingress protection: IP67 (mated); 9. Touch protection: IP2XB; 10. Operating temperature: -40°C~125°C.

Item	Value
Main technical specifications	
1. Service life: ≥500 cycles	
2. Cable range: 35-50mm² unshielded cable	
3. Insertion / extraction force: <100N	
4. Rated voltage: 1500V DC	
5. Rated current: max 250A	
6. Insulation resistance: >2000mΩ	
7. Dielectric withstand voltage: 3000V AC	
8. Ingress protection: IP67 (mated)	
9. Touch protection: IP2XB	
10. Operating temperature: -40°C~125°C	

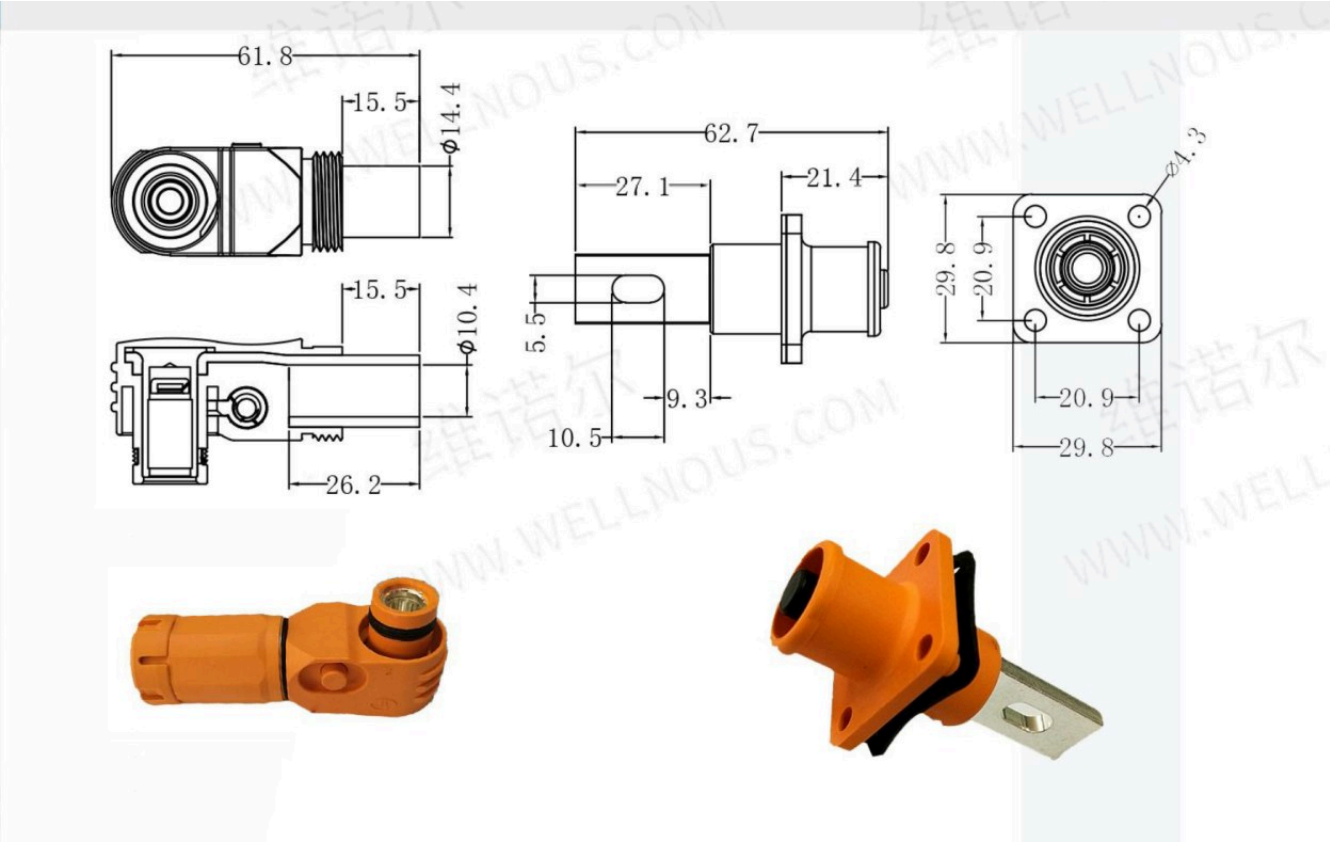


Figure 67. Φ8.0 Right-angle Plug Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

21 E36 Series

Source page 22 of the Chinese edition. Energy storage connector

21.1 Product description

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~125℃; 2. Rated current: 55A (8mm² cable), 70A (10mm² cable); 3. Contact resistance: 1.50mΩ MAX; 4. Insulation resistance: 500mΩ / 2000V DC; 5. Rated voltage: 1500V DC MAX; 6. Withstand voltage: 5000V DC 60S; 7. Ingress protection: IP67 after mating; 8. Salt spray grade: 48H; 9. Mechanical life: 100 cycles; 10. Vibration: QC/T 1067.1-2017 (V1 grade).



Figure 68. E36 Series: product views

21.2 Technical data

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~125℃	
2. Rated current: 55A (8mm² cable), 70A (10mm² cable)	
3. Contact resistance: 1.50mΩ MAX	
4. Insulation resistance: 500mΩ / 2000V DC	
5. Rated voltage: 1500V DC MAX	
6. Withstand voltage: 5000V DC 60S	
7. Ingress protection: IP67 after mating	
8. Salt spray grade: 48H	
9. Mechanical life: 100 cycles	
10. Vibration: QC/T 1067.1-2017 (V1 grade)	

21.3 **Dimensions**

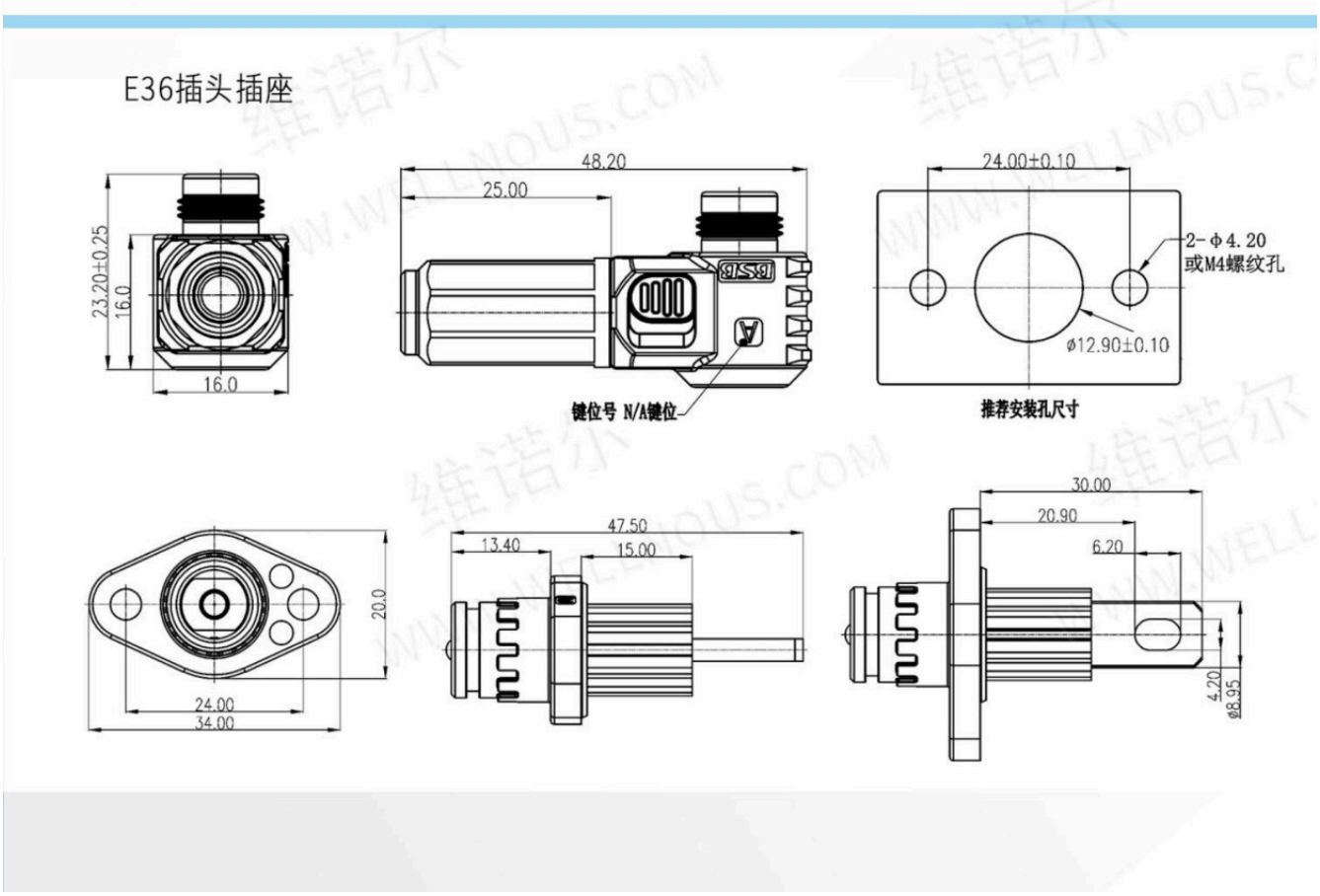


Figure 69. E36 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

22 E57 Series

Source page 23 of the Chinese edition. Energy storage connector

22.1 Product description

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~125℃; 2. Rated current: 80A (7AWG, 10mm² cable), 100A (6AWG, 16mm² cable), 130A (4AWG, 25mm² cable); 3. Contact resistance: 1.50mΩ MAX; 4. Insulation resistance: 2000mΩ (1000V DC); 5. Rated voltage: 1500V DC MAX; 6. Withstand voltage: 5000V DC 60S; 7. Ingress protection: IP67 after mating; 8. Salt spray grade: 48H; 9. Mechanical life: 500 cycles.

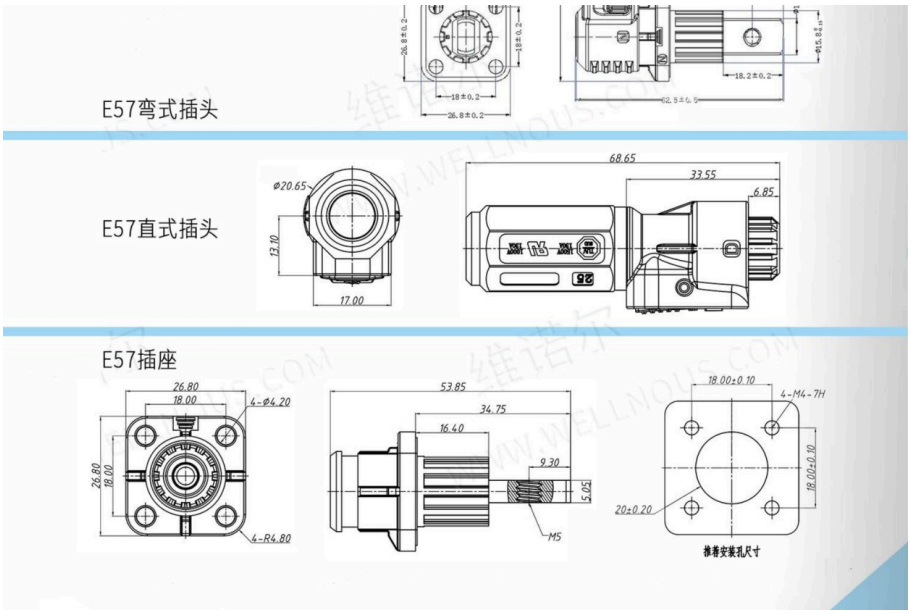


Figure 70. E57 Series: product views

22.2 Technical data

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~125℃	
2. Rated current: 80A (7AWG, 10mm² cable), 100A (6AWG, 16mm² cable), 130A (4AWG, 25mm² cable)	
3. Contact resistance: 1.50mΩ MAX	
4. Insulation resistance: 2000mΩ (1000V DC)	
5. Rated voltage: 1500V DC MAX	
6. Withstand voltage: 5000V DC 60S	
7. Ingress protection: IP67 after mating	
8. Salt spray grade: 48H	
9. Mechanical life: 500 cycles	

22.3 E80 Series

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~85℃; 2. Rated current: 120A (25mm² cable), 150A (35mm² cable), 210A (50mm² cable); 3. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA; 4. Insulation resistance: test voltage 1500V DC, ≥500mΩ under normal conditions, ≥20mΩ in damp heat; 5. Rated voltage: 1500V DC MAX; 6. Vibration: QC/T 1067.1-2017; 7. Ingress protection:

IP20, IPXXB before mating; IP67 after mating; 8. Salt spray grade: 48H; 9. Mechanical life: ≥200 cycles (mating without load).

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~85℃	
2. Rated current: 120A (25mm² cable), 150A (35mm² cable), 210A (50mm² cable)	
3. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA	
4. Insulation resistance: test voltage 1500V DC, ≥500mΩ under normal conditions, ≥20mΩ in damp heat	
5. Rated voltage: 1500V DC MAX	
6. Vibration: QC/T 1067.1-2017	
7. Ingress protection: IP20, IPXXB before mating; IP67 after mating	
8. Salt spray grade: 48H	
9. Mechanical life: ≥200 cycles (mating without load)	

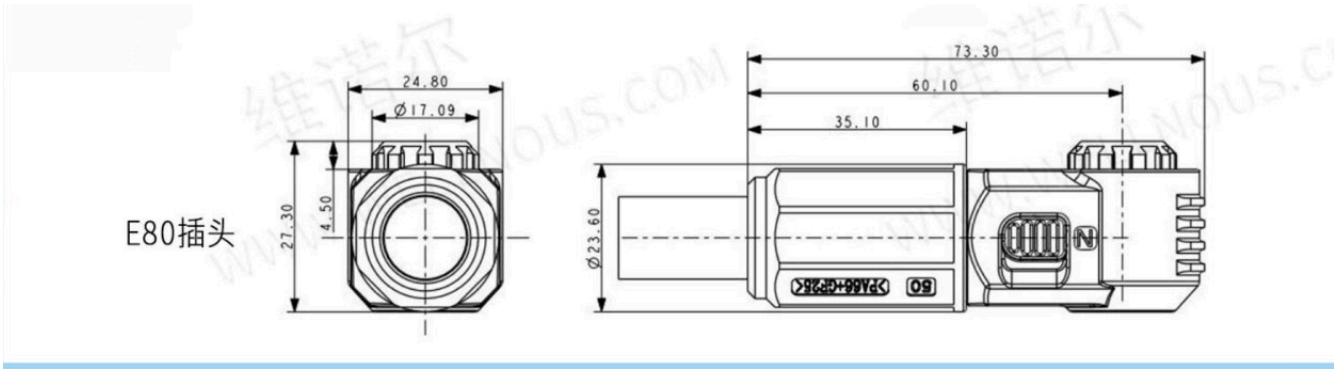


Figure 71. E80 Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

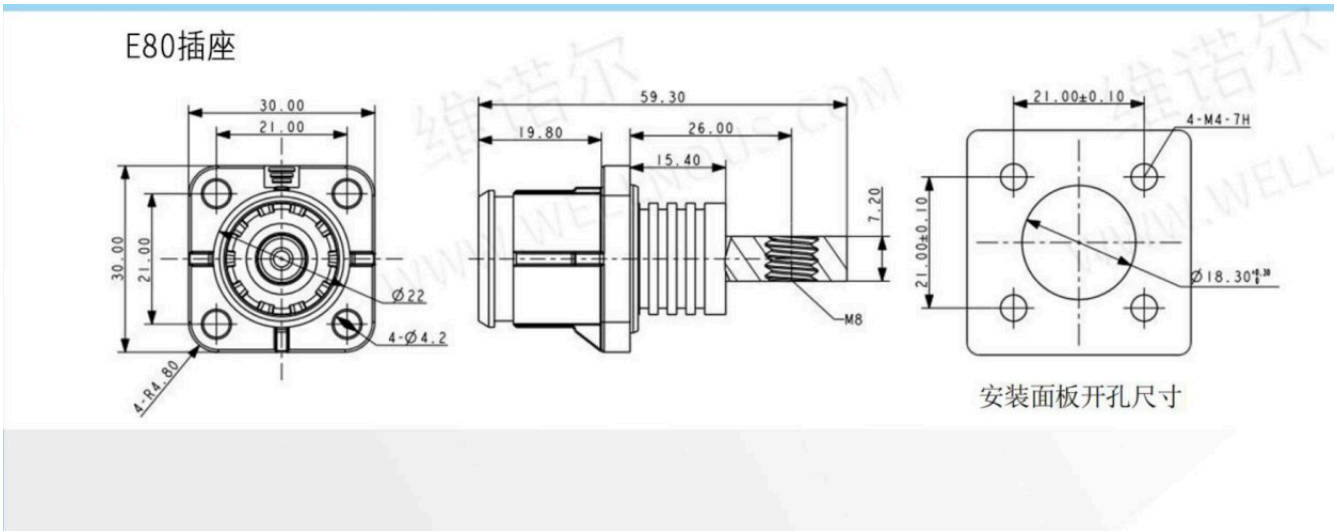


Figure 72. E80 Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

23 E120 Series

Source page 24 of the Chinese edition. Energy storage connector

23.1 Product description

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~125℃; 2. Rated current: 250A (2/0AWG, 67mm² cable), 300A (3/0AWG, 87mm² cable), 350A (4/0AWG, 110mm² cable); 3. Contact resistance: 0.2mΩ MAX; 4. Insulation resistance: 2000mΩ (1000V DC); 5. Rated voltage: 2000V DC MAX; 6. Withstand voltage: 5000V DC 60S; 7. Ingress protection: IP67 after mating; 8. Vibration: QC/T 1067.1-2017 (V1 grade); 9. Mechanical life: 500 cycles; 10. Salt spray grade: 48H.

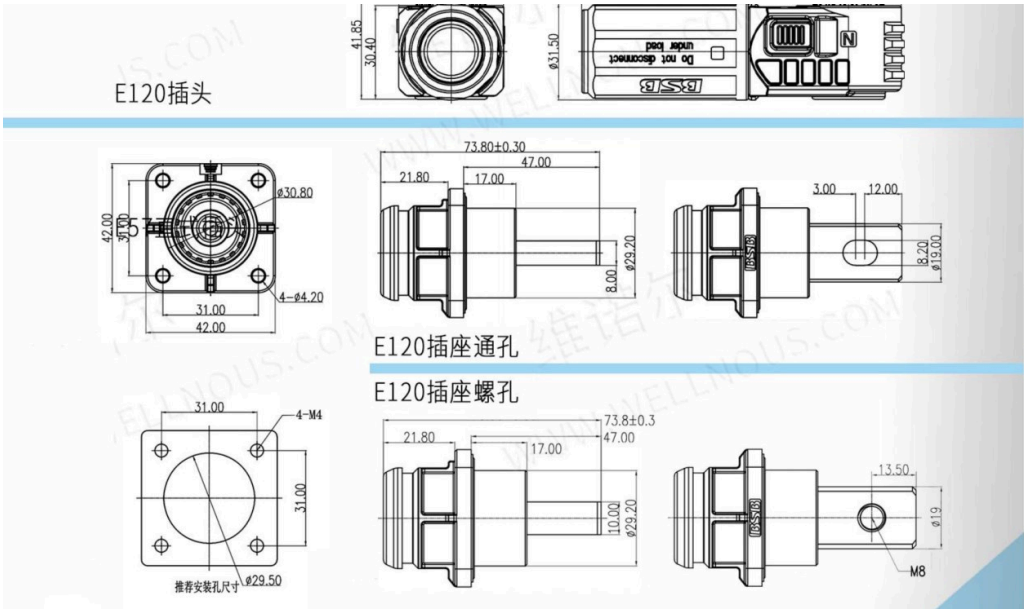


Figure 73. E120 Series: product views

23.2 Technical data

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~125℃	
2. Rated current: 250A (2/0AWG, 67mm² cable), 300A (3/0AWG, 87mm² cable), 350A (4/0AWG, 110mm² cable)	
3. Contact resistance: 0.2mΩ MAX	
4. Insulation resistance: 2000mΩ (1000V DC)	
5. Rated voltage: 2000V DC MAX	
6. Withstand voltage: 5000V DC 60S	
7. Ingress protection: IP67 after mating	
8. Vibration: QC/T 1067.1-2017 (V1 grade)	
9. Mechanical life: 500 cycles	
10. Salt spray grade: 48H	

23.3 200A Binding Post Series



Figure 74. 200A Binding Post Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

24 A Series Type A

Source page 25 of the Chinese edition. Busbar connector

24.1 Product description

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~125℃; 2. Rated current: 250A MAX; 3. Rated voltage: 1500V / DC; 4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ; 5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA; 6. Relative humidity in use: 5%~95% at 25℃; 7. Storage temperature: -5℃~30℃; 8. Vibration: QC/T 1067.1-2017; 9. Ingress protection: IP54; 10. Salt spray grade: 48H; 11. Keying / polarity: orange "+" / black "-".

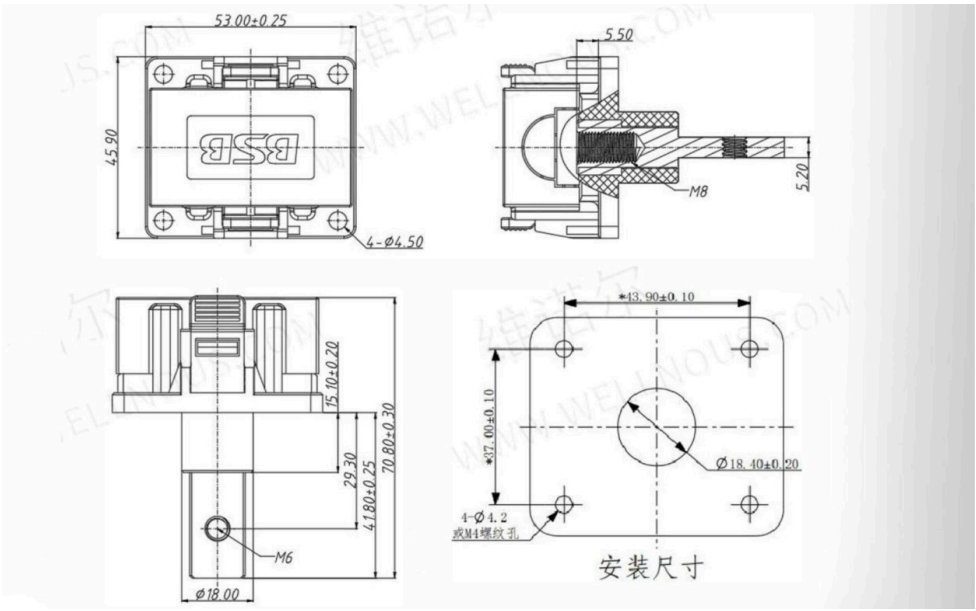


Figure 75. A Series Type A: product views

24.2 Technical data

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~125℃	
2. Rated current: 250A MAX	
3. Rated voltage: 1500V / DC	
4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ	
5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA	
6. Relative humidity in use: 5%~95% at 25℃	
7. Storage temperature: -5℃~30℃	
8. Vibration: QC/T 1067.1-2017	
9. Ingress protection: IP54	
10. Salt spray grade: 48H	
11. Keying / polarity: orange "+" / black "-"	

24.3 A Series Type B

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~125℃; 2. Rated current: 350A MAX; 3. Rated voltage: 1500V / DC; 4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ; 5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA; 6. Relative humidity in use: 5%~95% at 25℃; 7. Storage temperature: -5℃~30℃; 8. Vibration: QC/T 1067.1-2017; 9. Ingress protection: IP54; 10. Salt spray grade: 48H; 11. Keying / polarity: orange "+" / black "-".

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~125℃	
2. Rated current: 350A MAX	
3. Rated voltage: 1500V / DC	
4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ	
5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA	
6. Relative humidity in use: 5%~95% at 25℃	
7. Storage temperature: -5℃~30℃	
8. Vibration: QC/T 1067.1-2017	
9. Ingress protection: IP54	
10. Salt spray grade: 48H	
11. Keying / polarity: orange "+" / black "-"	

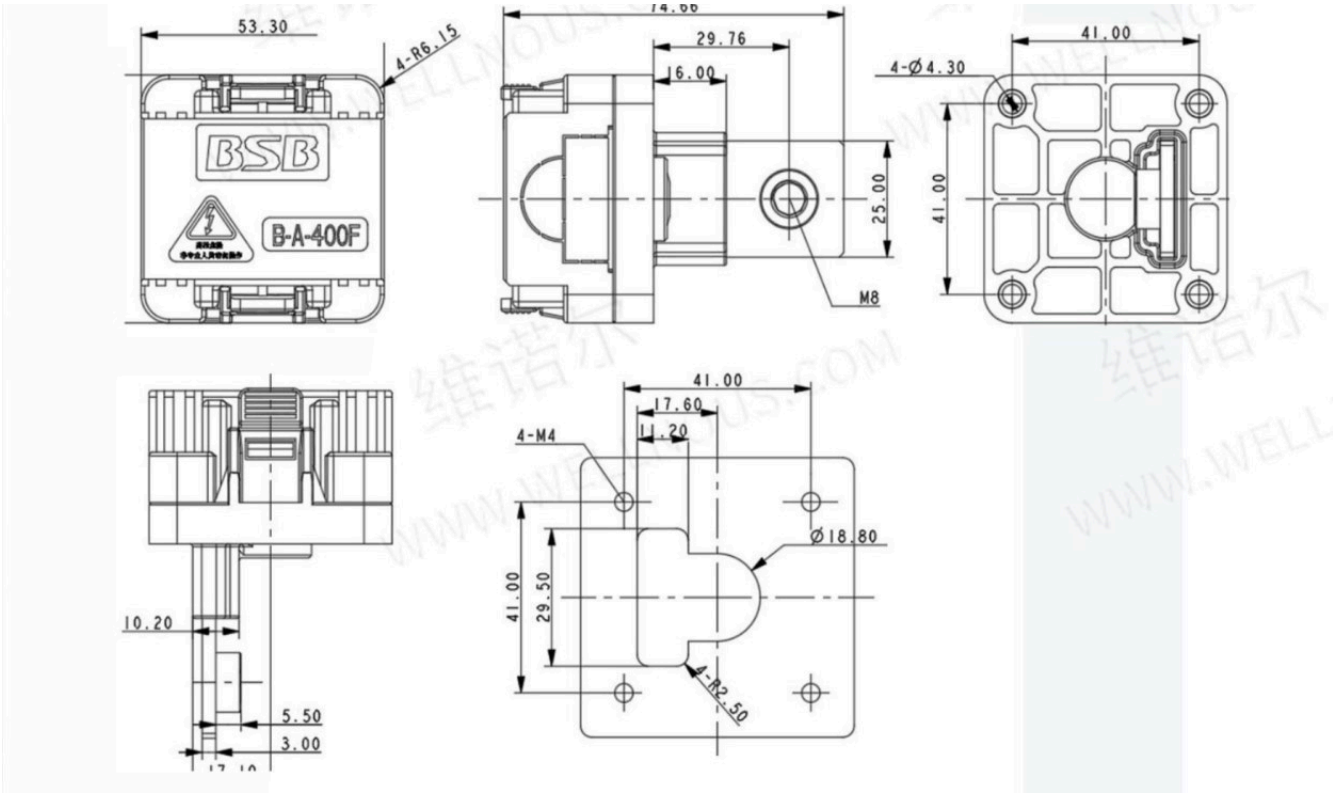


Figure 76. A Series Type B: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

25 A Series Type C

Source page 26 of the Chinese edition. Busbar connector

25.1 Product description

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~125℃; 2. Rated current: 350A MAX; 3. Rated voltage: 1500V / DC; 4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ; 5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA; 6. Relative humidity in use: 5%~95% at 25℃; 7. Storage temperature: -5℃~30℃; 8. Vibration: QC/T 1067.1-2017; 9. Ingress protection: IP54; 10. Salt spray grade: 48H; 11. Keying / polarity: orange "+" / black "-".

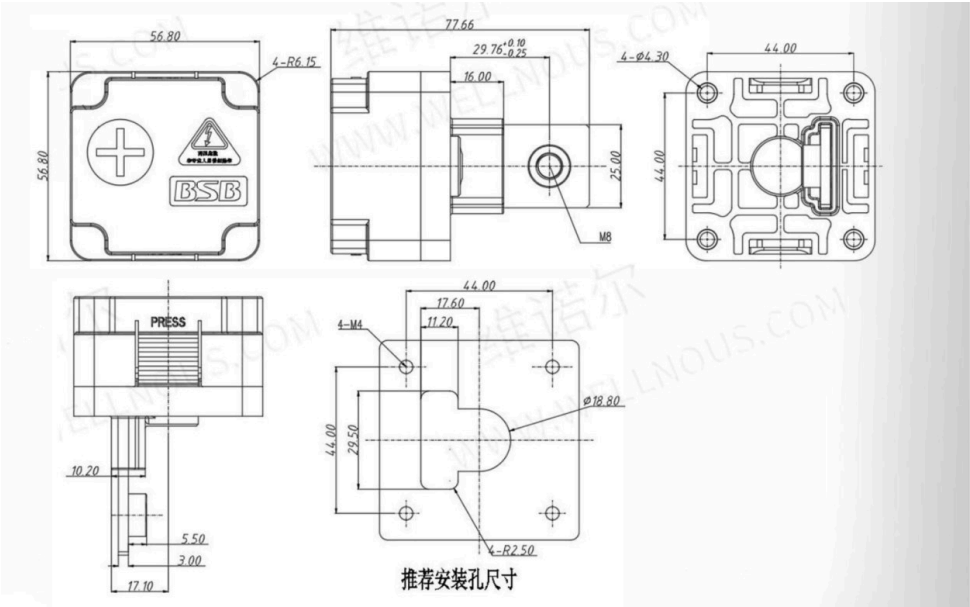


Figure 77. A Series Type C: product views

25.2 Technical data

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~125℃	
2. Rated current: 350A MAX	
3. Rated voltage: 1500V / DC	
4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ	
5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA	
6. Relative humidity in use: 5%~95% at 25℃	
7. Storage temperature: -5℃~30℃	
8. Vibration: QC/T 1067.1-2017	
9. Ingress protection: IP54	
10. Salt spray grade: 48H	
11. Keying / polarity: orange "+" / black "-"	

25.3 A Series Type D

ENGLISH

Main technical specifications; 1. Operating temperature: -40℃~125℃; 2. Rated current: 400A MAX; 3. Rated voltage: 1500V / DC; 4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ; 5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA; 6. Relative humidity in use: 5%~95% at 25℃; 7. Storage temperature: -5℃~30℃; 8. Ingress protection: IP54; 9. Salt spray grade: 48H; 10. Keying / polarity: orange "+" / black "-".

Item	Value
Main technical specifications	
1. Operating temperature: -40℃~125℃	
2. Rated current: 400A MAX	
3. Rated voltage: 1500V / DC	
4. Insulation resistance: test voltage 1500V DC, normal condition ≥5000MΩ, damp heat ≥20MΩ	
5. Dielectric strength: 5000V AC (50Hz, RMS) withstand 1min, leakage current ≤5mA	
6. Relative humidity in use: 5%~95% at 25℃	
7. Storage temperature: -5℃~30℃	
8. Ingress protection: IP54	
9. Salt spray grade: 48H	
10. Keying / polarity: orange "+" / black "-"	

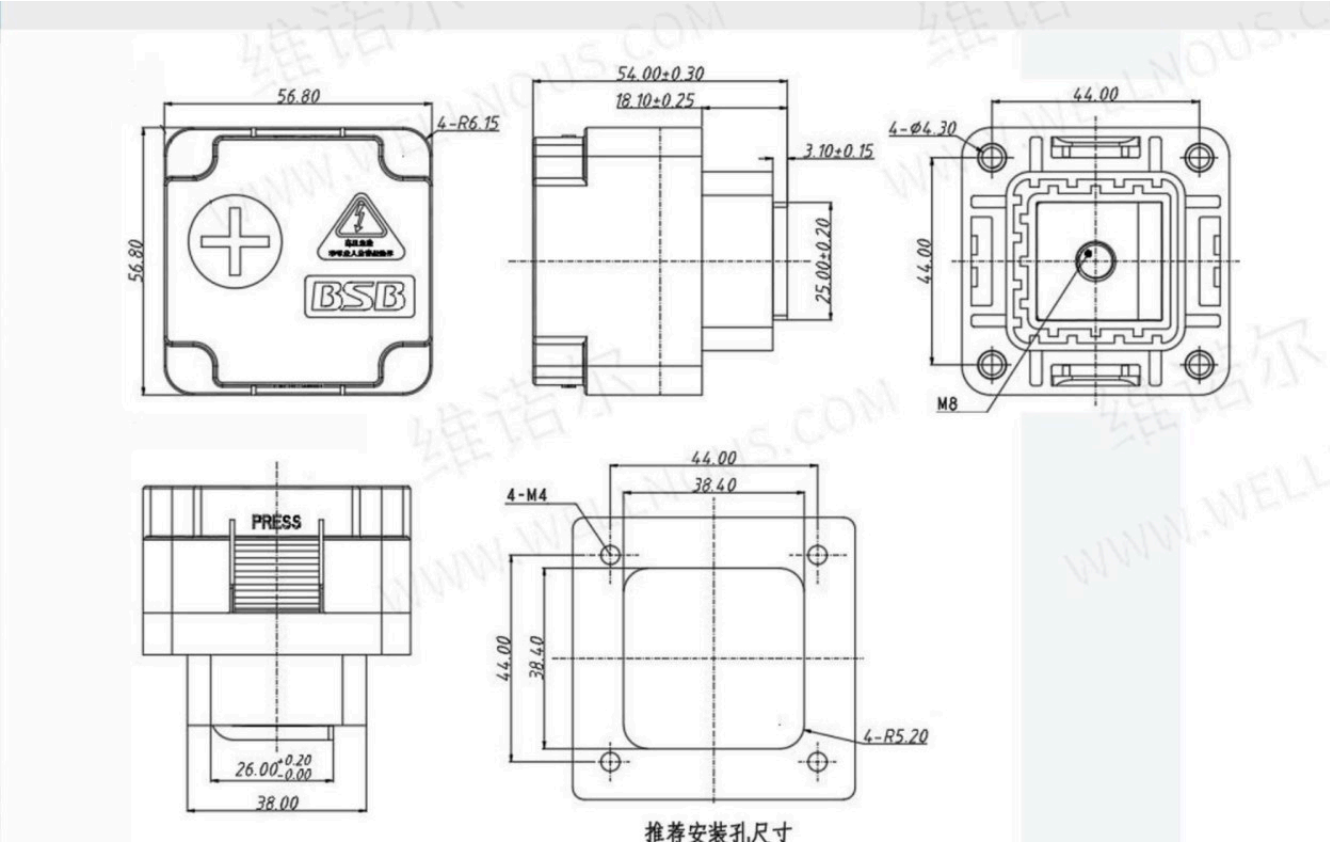


Figure 78. A Series Type D: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

26 Single-pole Series

Source page 27 of the Chinese edition. Anderson plug

26.1 Product description

ENGLISH

Product parameters; 30A: Terminal (standard) 1-4 mm²; 75A: Terminal 6AWG (standard) 4-12 mm², 8AWG 4-12 mm², 10/12AWG 4-6 mm²; 120A: Terminal 2AWG 10-35 mm², 4AWG (standard) 10-25 mm², 6AWG 10-16 mm²; 180A: Terminal 2AWG 10-35 mm², 4AWG 10-25 mm², 1/0AWG (standard) 10-50 mm²; Rated voltage: 600V; Features: Different colours can be mated with each other, and can also be freely assembled.



Figure 79. Single-pole Series: product views

26.2 Technical data

Item	Value
Product parameters	
30A	Terminal (standard) 1-4 mm²
75A	Terminal 6AWG (standard) 4-12 mm², 8AWG 4-12 mm², 10/12AWG 4-6 mm²
120A	Terminal 2AWG 10-35 mm², 4AWG (standard) 10-25 mm², 6AWG 10-16 mm²
180A	Terminal 2AWG 10-35 mm², 4AWG 10-25 mm², 1/0AWG (standard) 10-50 mm²
Rated voltage	600V
Features	Different colours can be mated with each other, and can also be freely assembled

26.3 Dimensions

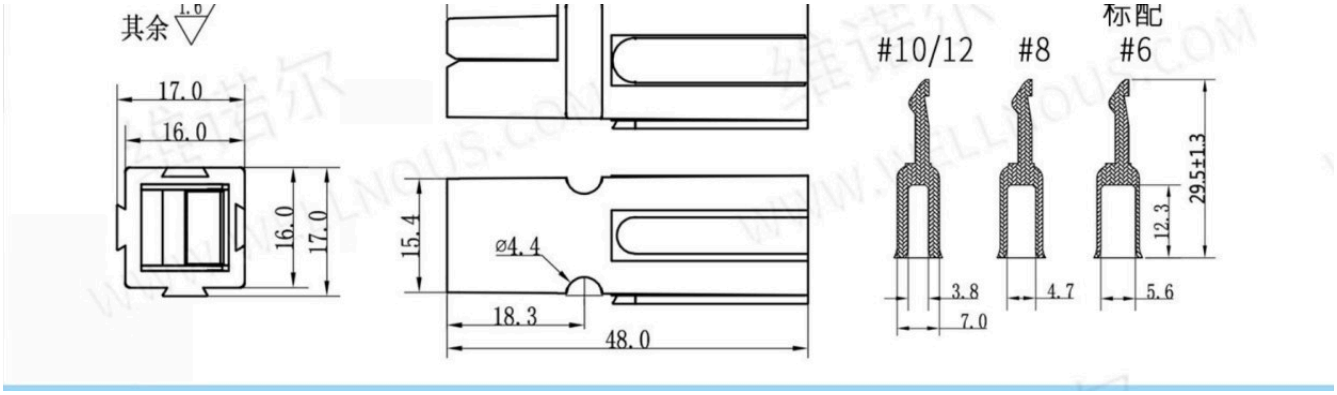


Figure 80. Single-pole Series: outline and mounting dimensions (1/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

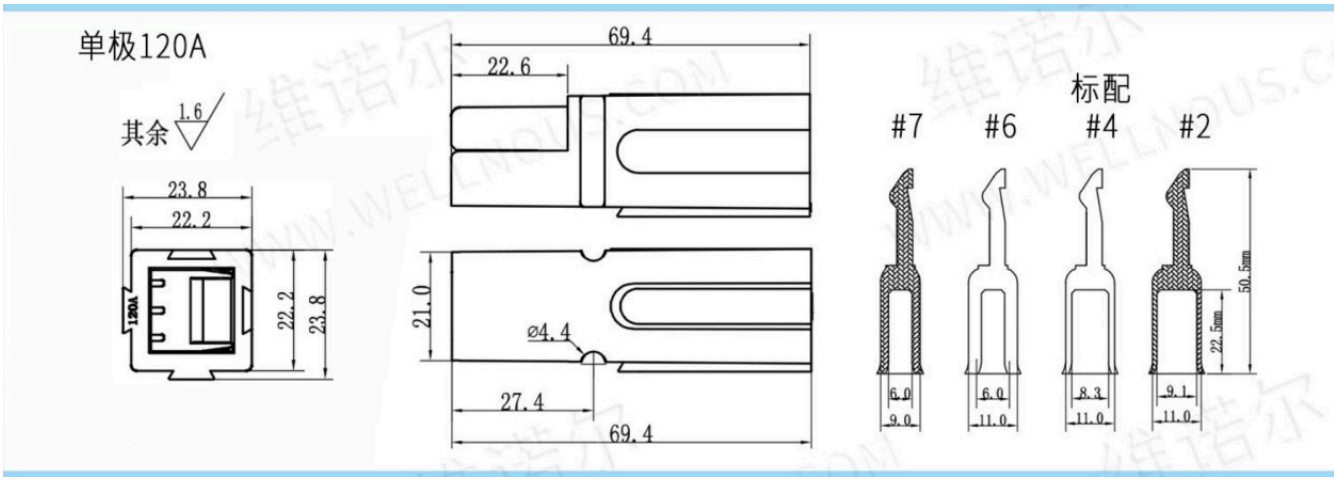


Figure 81. Single-pole Series: outline and mounting dimensions (2/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

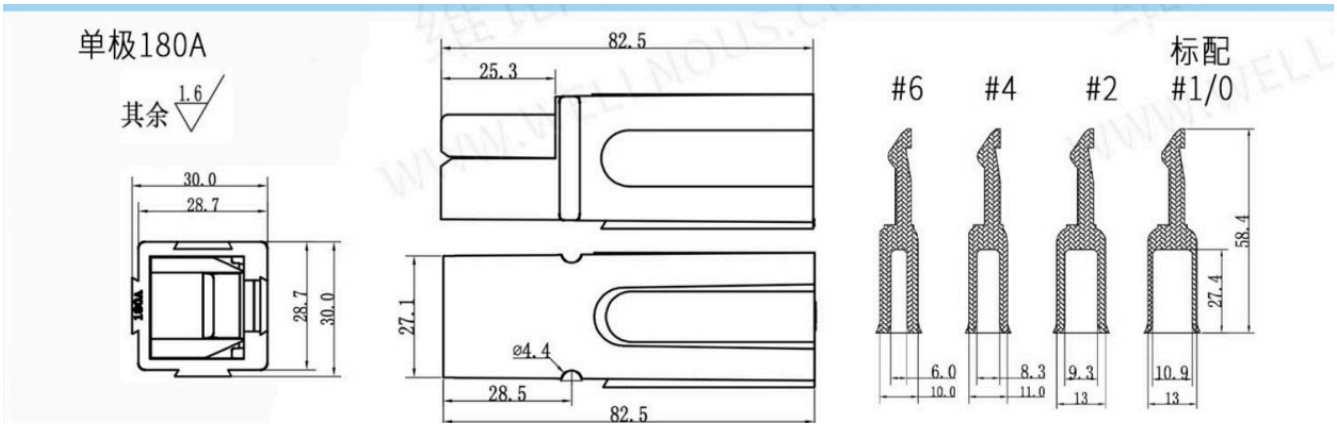


Figure 82. Single-pole Series: outline and mounting dimensions (3/3)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

27 Double-pole SZ Series

Source page 28 of the Chinese edition. Anderson plug

27.1 Product description

ENGLISH

Product parameters; SZ40A: Terminal 12/10AWG 4-6 mm²; SZ50A: Terminal 6AWG (standard) 4-12 mm², 8AWG 4-10 mm², 10/12AWG 1.5-4 mm²; SZ120A: Terminal 2AWG 10-35 mm², 4AWG (standard) 10-25 mm², 6AWG 10-16 mm²; SZ175A: Terminal 2AWG 10-35 mm², 4AWG 10-25 mm², 1/0AWG (standard) 10-50 mm²; SZ350A: Terminal 1/0AWG 10-50 mm², 2/0AWG (standard) 10-70 mm²; Rated voltage: 600V; Features: Different coloured plugs and keying differ, so they cannot mate with each other.

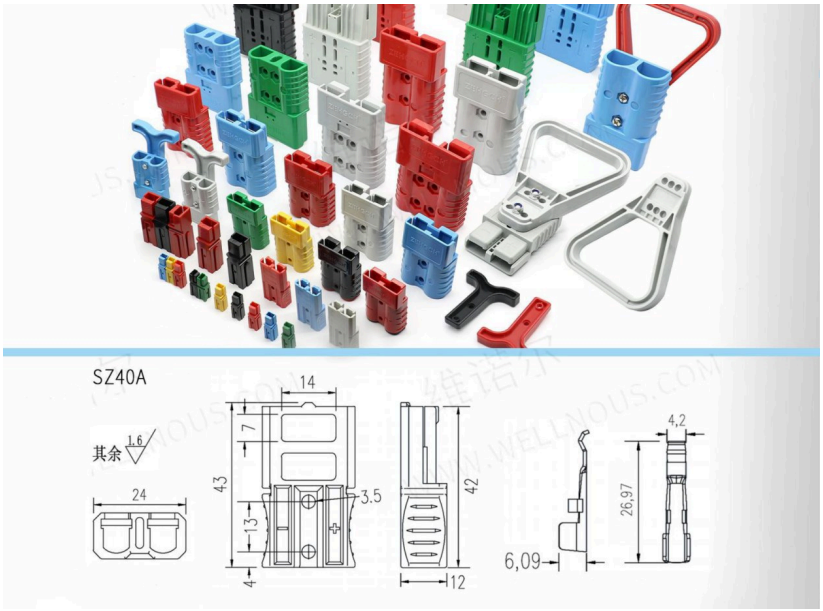


Figure 83. Double-pole SZ Series: product views

27.2 Technical data

Item	Value
Product parameters	
SZ40A	Terminal 12/10AWG 4-6 mm²
SZ50A	Terminal 6AWG (standard) 4-12 mm², 8AWG 4-10 mm², 10/12AWG 1.5-4 mm²
SZ120A	Terminal 2AWG 10-35 mm², 4AWG (standard) 10-25 mm², 6AWG 10-16 mm²
SZ175A	Terminal 2AWG 10-35 mm², 4AWG 10-25 mm², 1/0AWG (standard) 10-50 mm²
SZ350A	Terminal 1/0AWG 10-50 mm², 2/0AWG (standard) 10-70 mm²
Rated voltage	600V
Features	Different coloured plugs and keying differ, so they cannot mate with each other

27.3 **Dimensions**

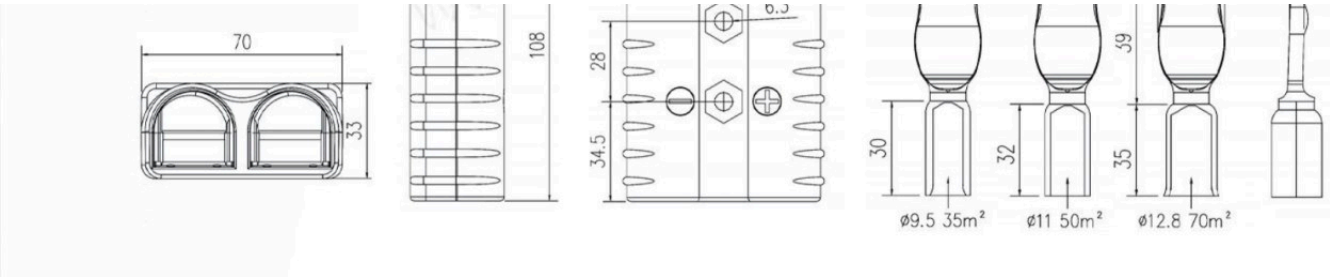


Figure 84. Double-pole SZ Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

28 Double-pole SZE Series

Source page 29 of the Chinese edition. Anderson plug

28.1 Product description

ENGLISH

Product parameters; SZE160A: Terminal 1/0AWG 10-50 mm²; SZE320A: Terminal 2/0AWG 10-70 mm²; SZX350A: Terminal 2/0AWG 10-70 mm²; Rated voltage: 600V; Features: Different coloured plugs and keying differ, so they cannot mate with each other.



Figure 85. Double-pole SZE Series: product views

28.2 Technical data

Item	Value
Product parameters	
SZE160A	Terminal 1/0AWG 10-50 mm²
SZE320A	Terminal 2/0AWG 10-70 mm²
SZX350A	Terminal 2/0AWG 10-70 mm²
Rated voltage	600V
Features	Different coloured plugs and keying differ, so they cannot mate with each other

28.3 **Dimensions**

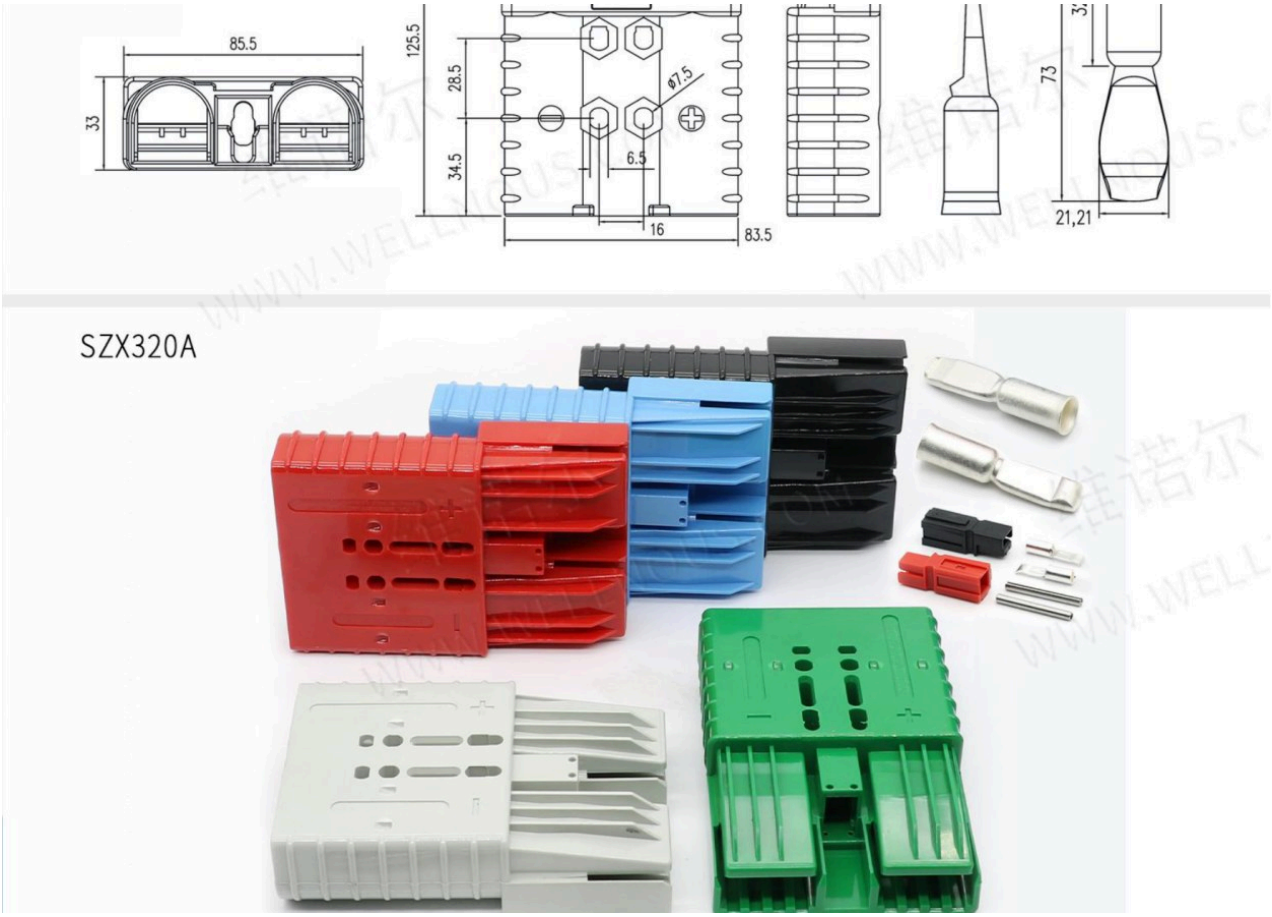


Figure 86. Double-pole SZE Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

29 REMA Series

Source page 30 of the Chinese edition. Electric forklift connector

29.1 Product description

ENGLISH

Product parameters; Current 80A: Wire 16-25 mm², main terminal bore Φ8mm; Current 160A: Wire 35-50 mm², main terminal bore Φ9 (default) / Φ11mm; Current 320A: Wire 50-70 mm², main terminal bore Φ11 (default) / Φ13mm; Rated voltage: 150V; Ingress protection: IP23; Flame retardancy: UL94V-0; Ambient temperature: -20℃~105℃.



Figure 87. REMA Series: product views

29.2 Technical data

Item	Value
Product parameters	
Current 80A	Wire 16-25 mm², main terminal bore Φ8mm
Current 160A	Wire 35-50 mm², main terminal bore Φ9 (default) / Φ11mm
Current 320A	Wire 50-70 mm², main terminal bore Φ11 (default) / Φ13mm
Rated voltage	150V
Ingress protection	IP23
Flame retardancy	UL94V-0
Ambient temperature	-20℃~105℃

29.3 **Dimensions**

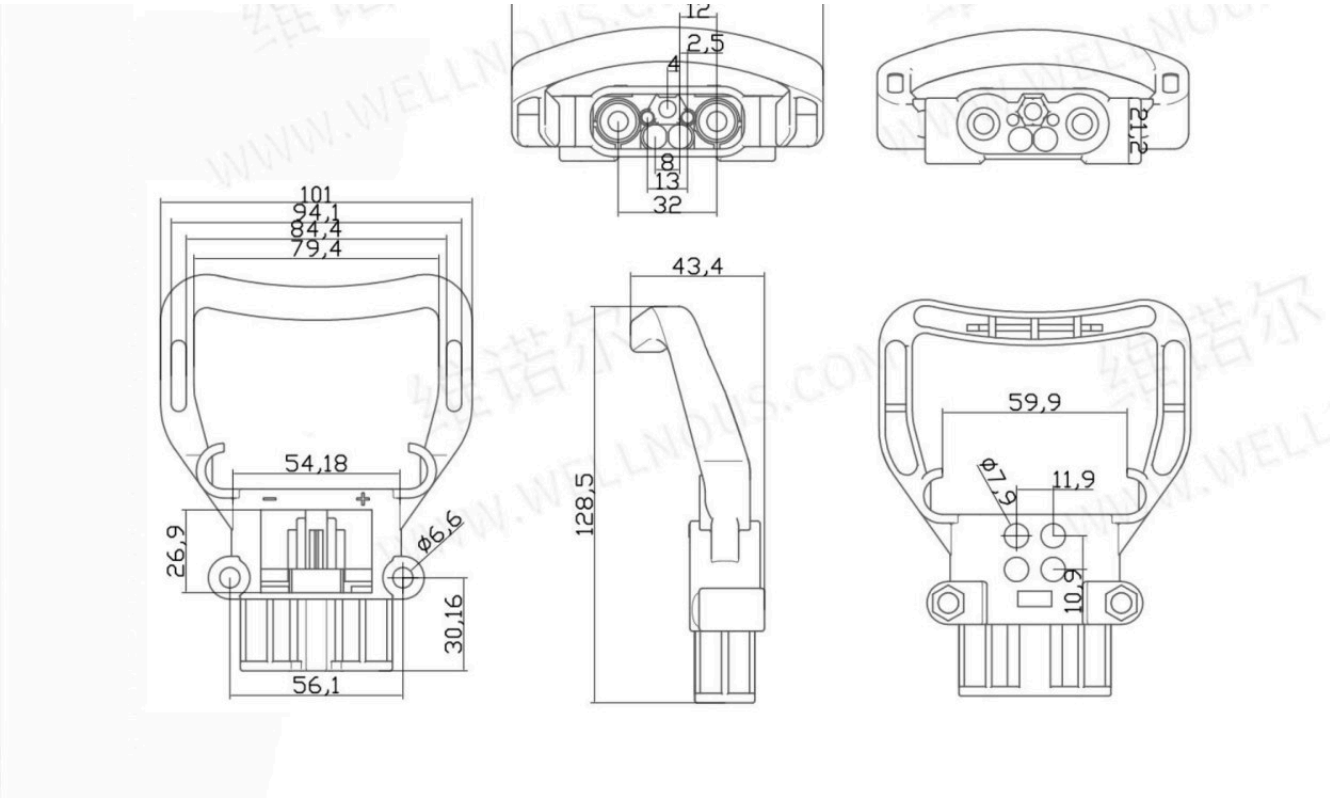


Figure 88. REMA Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

30 REMA Series

Source page 31 of the Chinese edition. Electric forklift connector

30.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

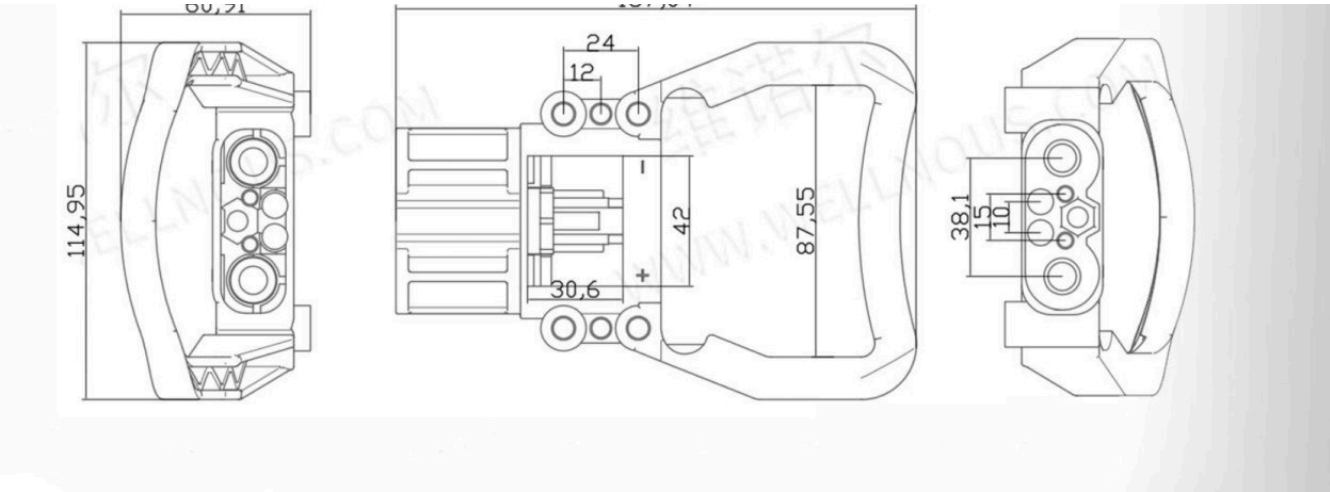


Figure 89. REMA Series: product views

30.2 Dimensions

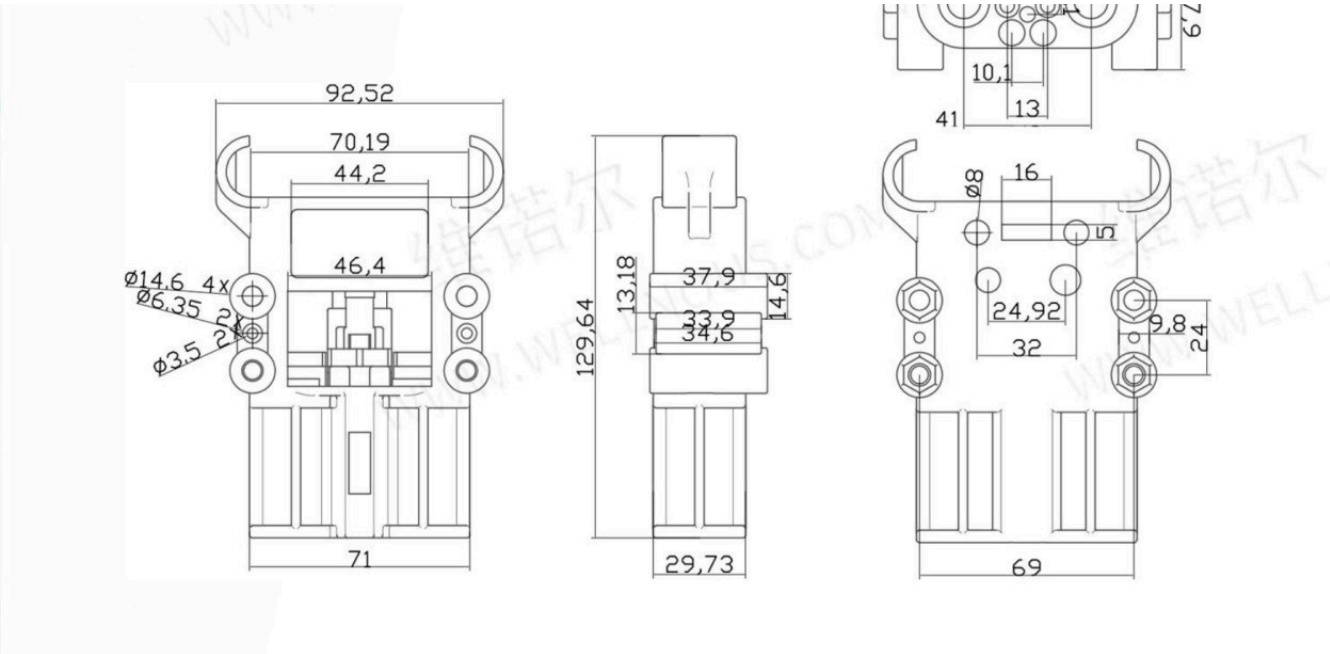


Figure 90. REMA Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

31 XT30 Series

Source page 32 of the Chinese edition. 5-20A, 2-pin, wire type

31.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: XT30U / XT30UD / XT30UW / XT30ULW; Ingress protection: XT30U: IP40; XT30UD: IP40; XT30UW: IP65; XT30ULW: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 20A/16#, 15A/18#, 10A/20# (temperature rise 60°C).

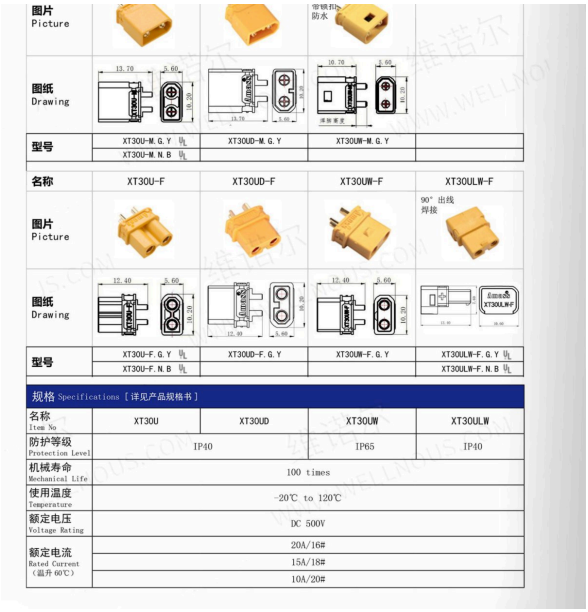


Figure 91. XT30 Series: product views

31.2 Technical data

Item	Value
Product name	XT30U / XT30UD / XT30UW / XT30ULW
Ingress protection	XT30U: IP40; XT30UD: IP40; XT30UW: IP65; XT30ULW: IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	20A/16#, 15A/18#, 10A/20# (temperature rise 60°C)

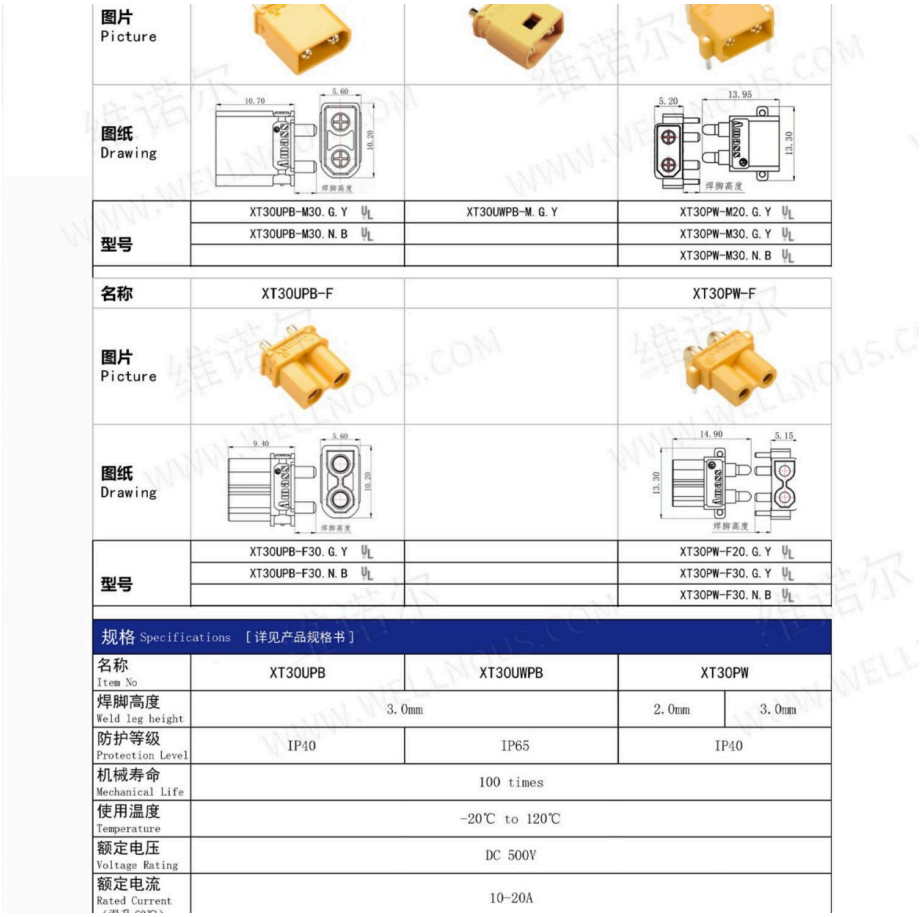
31.3 XT30 Series

ENGLISH

Product name: XT30UPB / XT30UWPB / XT30PW; Weld leg height: XT30UPB, XT30UWPB: 3.0mm; XT30PW: 2.0mm / 3.0mm; Ingress protection: XT30UPB: IP40; XT30UWPB: IP65; XT30PW: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 10-20A.

Item	Value
Product name	XT30UPB / XT30UWPB / XT30PW
Weld leg height	XT30UPB, XT30UWPB: 3.0mm; XT30PW: 2.0mm / 3.0mm
Ingress protection	XT30UPB: IP40; XT30UWPB: IP65; XT30PW: IP40

Item	Value
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	10-20A



图片 Picture			
图纸 Drawing			
型号	XT30UPB-M30.G.Y UL XT30UPB-M30.N.B UL	XT30UWPB-M.G.Y	XT30PW-M20.G.Y UL XT30PW-M30.G.Y UL XT30PW-M30.N.B UL
名称	XT30UPB-F		XT30PW-F
图片 Picture			
图纸 Drawing			
型号	XT30UPB-F30.G.Y UL XT30UPB-F30.N.B UL		XT30PW-F20.G.Y UL XT30PW-F30.G.Y UL XT30PW-F30.N.B UL

规格 Specifications ［详见产品规格书］				
名称 Item No	XT30UPB	XT30UWPB	XT30PW	
焊脚高度 Weld leg height	3.0mm		2.0mm	3.0mm
防护等级 Protection Level	IP40	IP65	IP40	
机械寿命 Mechanical Life	100 times			
使用温度 Temperature	-20℃ to 120℃			
额定电压 Voltage Rating	DC 500V			
额定电流 Rated Current	10-20A			

Figure 92. XT30 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

32 MR30 Series

Source page 33 of the Chinese edition. 5-20A, 3-pin, wire type

32.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: MR30 / MT30; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 20A/16#, 15A/18#, 10A/20# (temperature rise 60°C).

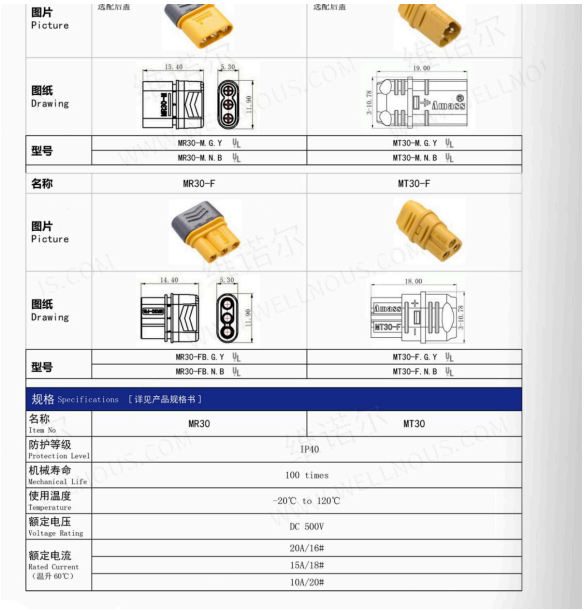


Figure 93. MR30 Series: product views

32.2 Technical data

Item	Value
Product name	MR30 / MT30
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	20A/16#, 15A/18#, 10A/20# (temperature rise 60°C)

32.3 MR30 Series

ENGLISH

Product name: MR30PB / MR30PW; Weld leg height: MR30PB: 3.0mm; MR30PW: 2.0mm / 3.0mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 10-20A.

Item	Value
Product name	MR30PB / MR30PW
Weld leg height	MR30PB: 3.0mm; MR30PW: 2.0mm / 3.0mm
Ingress protection	IP40
Mechanical life	100 times

Item	Value
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	10-20A



图片 Picture		
图纸 Drawing		
型号	MR30PB-M30. G. Y UL MR30PB-M30. N. B UL	MR30PW-M20. G. Y UL MR30PW-M30. G. Y UL MR30PW-M30. N. B UL

名称	MR30PB-F	MR30PW-F
图片 Picture		
图纸 Drawing		
型号	MR30PB-F30. G. Y UL MR30PB-F30. N. B UL	MR30PW-F20. G. Y UL MR30PW-F30. G. Y UL MR30PW-F30. N. B UL

规格 Specifications ［详见产品规格书］			
名称 Item No	MR30PB	MR30PW	
焊脚高度 Weld leg height	3. 0mm	2. 0mm	3. 0mm
防护等级 Protection Level	IP40		
机械寿命 Mechanical Life	100 times		
使用温度 Temperature	-20℃ to 120℃		
额定电压 Voltage Rating	DC 500V		
额定电流 Rated Current	10-20A		

Figure 94. MR30 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

33 XT30 (2+2) Series

Source page 34 of the Chinese edition. 5-20A, 2+2 hybrid, wire type

33.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: XT30 (2+2); Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 20A/16#, 15A/18#, 10A/20# (temperature rise 60°C).

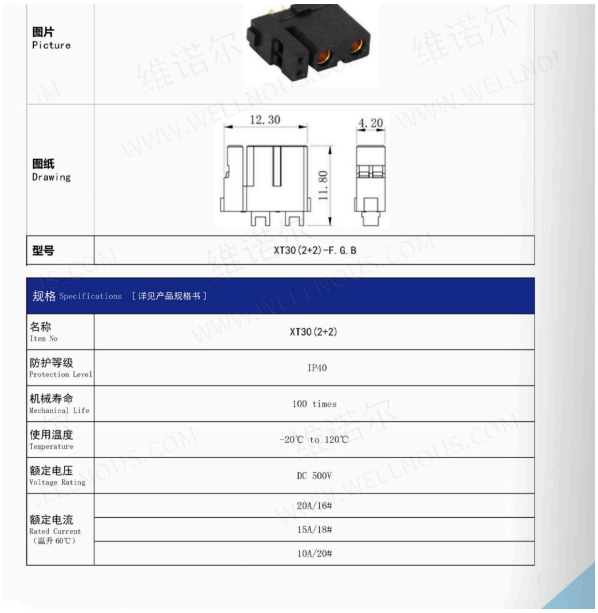


Figure 95. XT30 (2+2) Series: product views

33.2 Technical data

Item	Value
Product name	XT30 (2+2)
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	20A/16#, 15A/18#, 10A/20# (temperature rise 60°C)

33.3 XT30 (2+2) Series

ENGLISH

Product name: XT30 (2+2) PB / XT30 (2+2) PW; Weld leg height: 3.0mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 10-20A.

Item	Value
Product name	XT30 (2+2) PB / XT30 (2+2) PW
Weld leg height	3.0mm
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C

Item	Value
Rated voltage	DC 500V
Rated current	10-20A

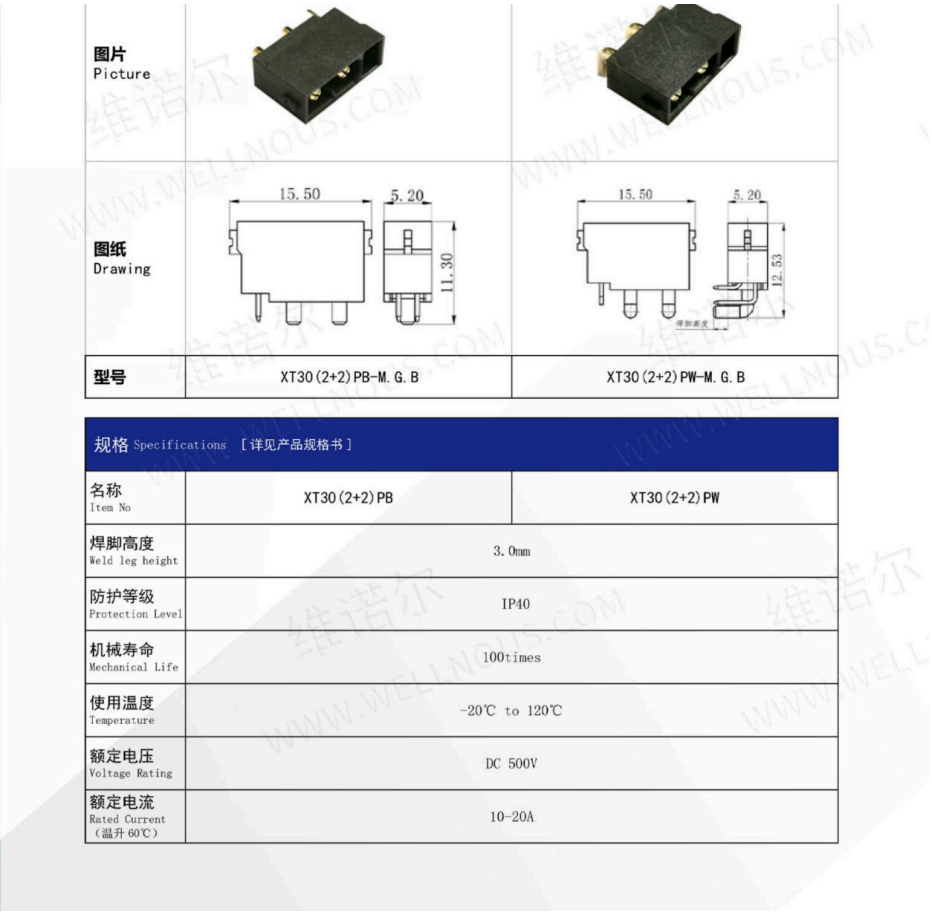


Figure 96. XT30 (2+2) Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

34 XT60 Series

Source page 35 of the Chinese edition. 20-40A, 2-pin, wire type

34.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: XT60 / XT60U / XT60H / XT60L; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 40A/12#, 30A/14#, 25A/16# (temperature rise 60°C).

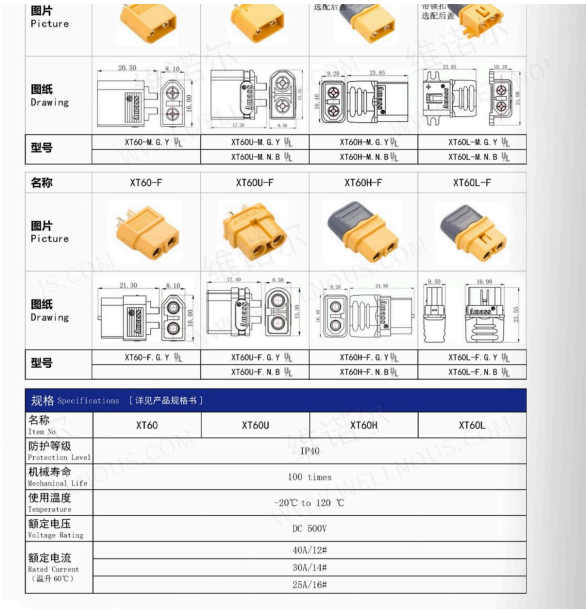


Figure 97. XT60 Series: product views

34.2 Technical data

Item	Value
Product name	XT60 / XT60U / XT60H / XT60L
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	40A/12#, 30A/14#, 25A/16# (temperature rise 60°C)

34.3 XT60 Series

ENGLISH

Product name: XT60W / XT60EW / XT60E; Ingress protection: XT60W: IP65; XT60EW: IP65; XT60E: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 40A/12#, 30A/14#, 25A/16# (temperature rise 60°C).

Item	Value
Product name	XT60W / XT60EW / XT60E
Ingress protection	XT60W: IP65; XT60EW: IP65; XT60E: IP40
Mechanical life	100 times

Item	Value
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	40A/12#, 30A/14#, 25A/16# (temperature rise 60°C)



Figure 98. XT60 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

35 XT60 Series

Source page 36 of the Chinese edition. 20-40A, 2-pin, wire type

35.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: XT60 / XT60M / XTS60; Ingress protection: IP40; Mechanical life: XT60, XT60M: 100 times; XTS60: 1000 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: XT60, XT60M: 33A/12#, 30A/14#, 25A/16#; XTS60: 30A/12#, 25A/14#, 20A/16# (temperature rise 60°C).



Figure 99. XT60 Series: product views

35.2 Technical data

Item	Value
Product name	XT60 / XT60M / XTS60
Ingress protection	IP40
Mechanical life	XT60, XT60M: 100 times; XTS60: 1000 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	XT60, XT60M: 33A/12#, 30A/14#, 25A/16#; XTS60: 30A/12#, 25A/14#, 20A/16# (temperature rise 60°C)

35.3 XT60 Series

ENGLISH

Product name: XT60PB / XT60PW / XT60PT / XT60PM; Weld leg height: 3.0mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 25-40A.

Item	Value
Product name	XT60PB / XT60PW / XT60PT / XT60PM
Weld leg height	3.0mm

Item	Value
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	25-40A

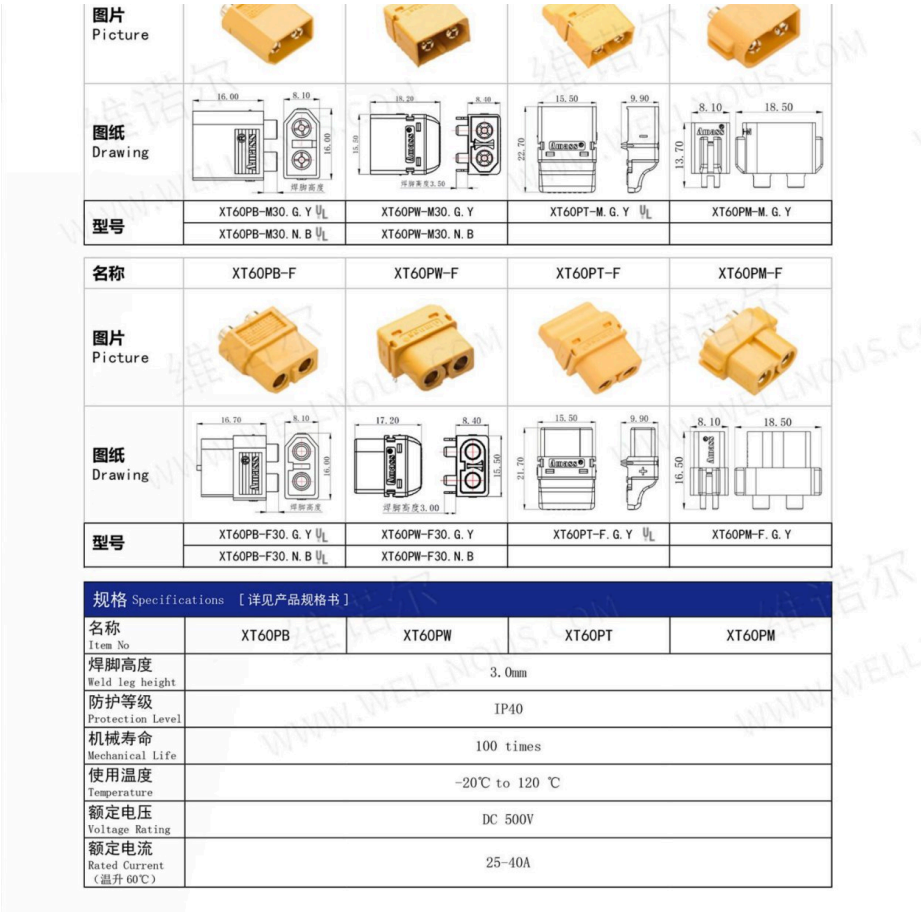


Figure 100. XT60 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

36 MR60 Series

Source page 37 of the Chinese edition. 20-40A, 3-pin, wire type

36.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: MRD50 / MR60 / MT60; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: MRD50: 45A/12# (UL1977 standard); MR60, MT60: 40A/12#, 30A/14#, 25A/16# (temperature rise 60°C).

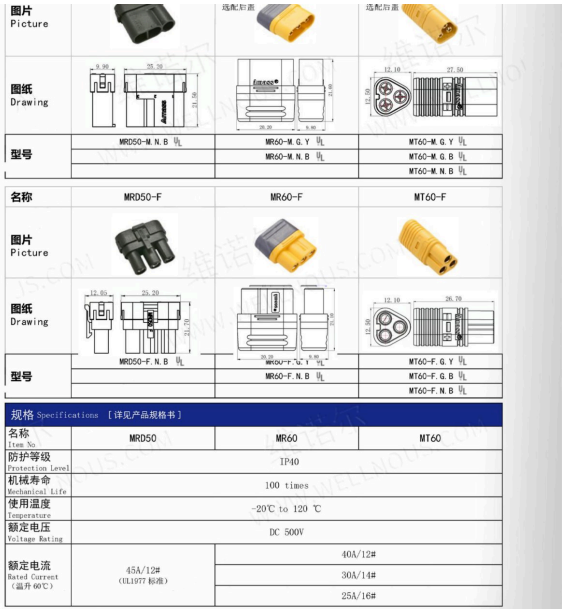


Figure 101. MR60 Series: product views

36.2 Technical data

Item	Value
Product name	MRD50 / MR60 / MT60
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	MRD50: 45A/12# (UL1977 standard); MR60, MT60: 40A/12#, 30A/14#, 25A/16# (temperature rise 60°C)

36.3 MR60 Series

ENGLISH

Product name: MRD50 / MR60PB / MR60PW; Weld leg height: 3.0mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: MRD50: 45A (UL1977 standard); MR60PB, MR60PW: 25-40A.

Item	Value
Product name	MRD50 / MR60PB / MR60PW
Weld leg height	3.0mm

Item	Value
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	MRD50: 45A (UL1977 standard); MR60PB, MR60PW: 25-40A



Figure 102. MR60 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

37 XT60 (2+1) Series

Source page 38 of the Chinese edition. 20-40A, 2+1 hybrid, PCB mount

37.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: XTD50 (2+1) PB / XT60 (2+1) PW / ICM150S17PB / ICM150S17PW; Weld leg height: XT60 (2+1) PW: 2.5mm; ICM150S17PB, ICM150S17PW: 3.0mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: XTD50 (2+1), XT60 (2+1): 25-40A; ICM150S17PB, ICM150S17PW: 20-30A.



Figure 103. XT60 (2+1) Series: product views

37.2 Technical data

Item	Value
Product name	XTD50 (2+1) PB / XT60 (2+1) PW / ICM150S17PB / ICM150S17PW
Weld leg height	XT60 (2+1) PW: 2.5mm; ICM150S17PB, ICM150S17PW: 3.0mm
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	XTD50 (2+1), XT60 (2+1): 25-40A; ICM150S17PB, ICM150S17PW: 20-30A

37.3 XT60 (2+1) Series

ENGLISH

Product name: XTD50 (2+1) / XT60 (2+1) / ICM150S17S / LC50B; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: XTD50 (2+1): 45A/12# (UL1977 standard); XT60 (2+1): 40A/12#, 30A/14#, 25A/16#; ICM150S17S: 30A/14#, 25A/16#, 20A/18# (temperature rise 60°C).

Item	Value
Product name	XTD50 (2+1) / XT60 (2+1) / ICM150S17S / LC50B
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	XTD50 (2+1): 45A/12# (UL1977 standard); XT60 (2+1): 40A/12#, 30A/14#, 25A/16#; ICM150S17S: 30A/14#, 25A/16#, 20A/18# (temperature rise 60°C)

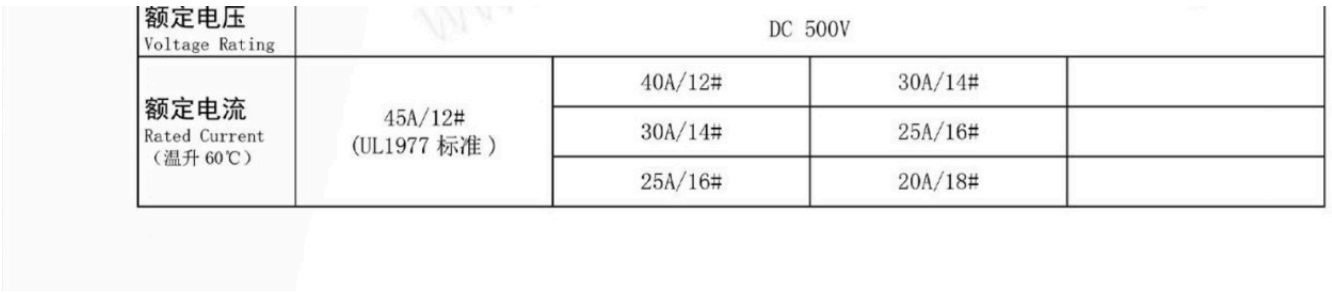


Figure 104. XT60 (2+1) Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

38 MT60 Series

Source page 39 of the Chinese edition. 20-40A, 3-pin, wire type

38.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: MTD60 / MTD60M / MTS60; Ingress protection: IP40; Mechanical life: MTD60, MTD60M: 100 times; MTS60: 1000 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: MTD60, MTD60M: 33A/12#, 30A/14#, 25A/16#; MTS60: 30A/12#, 25A/14#, 20A/16# (temperature rise 60°C).



Figure 105. MT60 Series: product views

38.2 Technical data

Item	Value
Product name	MTD60 / MTD60M / MTS60
Ingress protection	IP40
Mechanical life	MTD60, MTD60M: 100 times; MTS60: 1000 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	MTD60, MTD60M: 33A/12#, 30A/14#, 25A/16#; MTS60: 30A/12#, 25A/14#, 20A/16# (temperature rise 60°C)

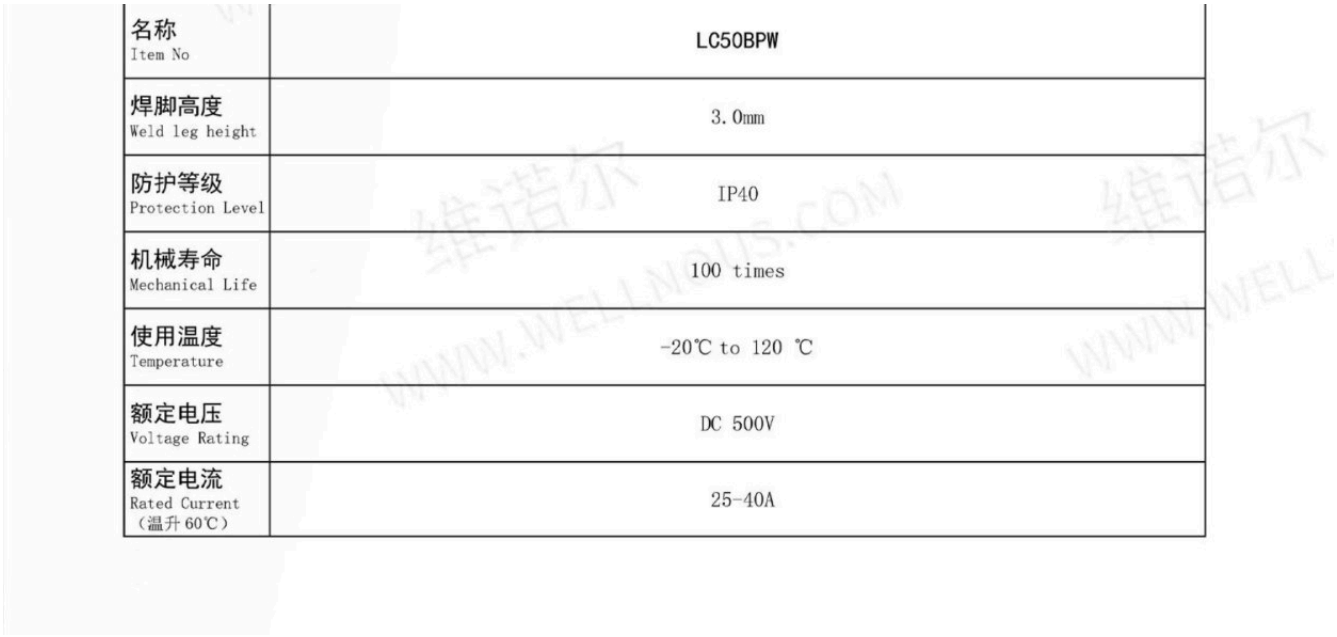
38.3 LC50 Series

ENGLISH

Product name: LC50BPW; Weld leg height: 3.0mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 25-40A.

Item	Value
Product name	LC50BPW
Weld leg height	3.0mm
Ingress protection	IP40

Item	Value
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	25-40A



名称 Item No	LC50BPW
焊脚高度 Weld leg height	3.0mm
防护等级 Protection Level	IP40
机械寿命 Mechanical Life	100 times
使用温度 Temperature	-20℃ to 120 ℃
额定电压 Voltage Rating	DC 500V
额定电流 Rated Current （温升60℃）	25-40A

Figure 106. LC50 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

39 XT90 Series

Source page 40 of the Chinese edition. 40-45A, 2-pin, wire type

39.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: XT90H / XT90HW / XT90S; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 55A/8#, 50A/10#, 45A/12# (temperature rise 60°C).



Figure 107. XT90 Series: product views

39.2 Technical data

Item	Value
Product name	XT90H / XT90HW / XT90S
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	55A/8#, 50A/10#, 45A/12# (temperature rise 60°C)

39.3 XT90 Series

ENGLISH

Product name: XT90PB / XT90PW / XT90E-M; Weld leg height: 3.0mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 45-55A.

Item	Value
Product name	XT90PB / XT90PW / XT90E-M
Weld leg height	3.0mm
Ingress protection	IP40
Mechanical life	100 times

Item	Value
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	45-55A

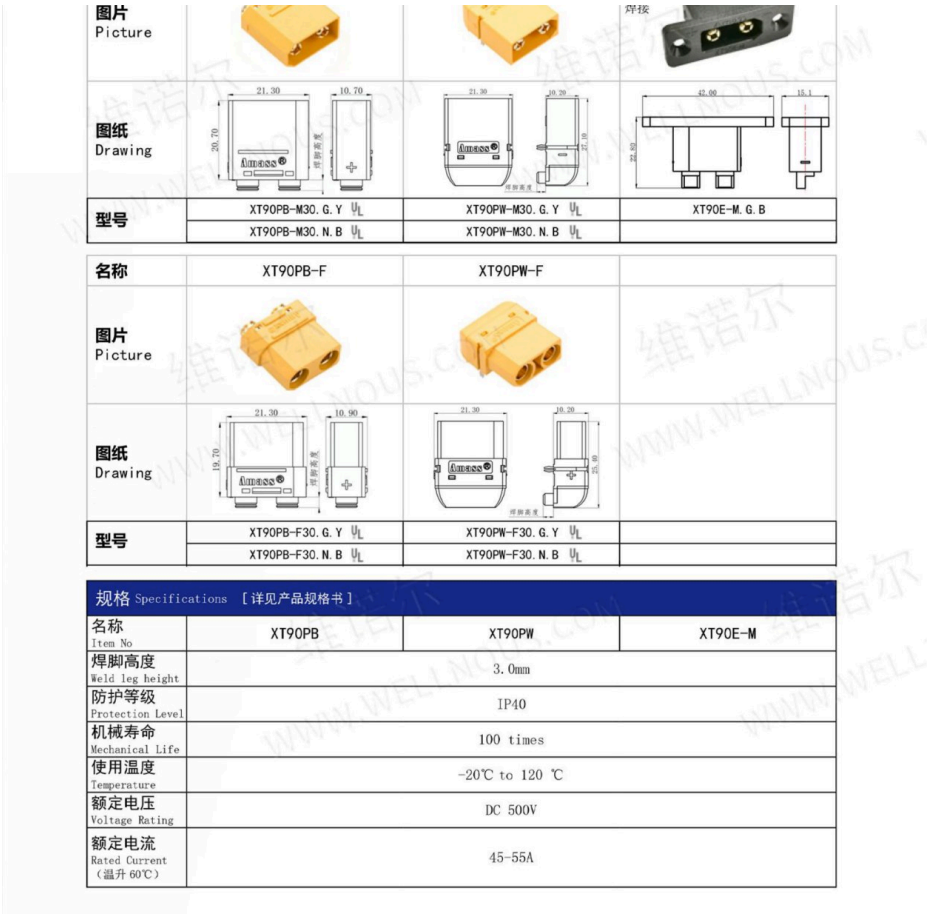


Figure 108. XT90 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

40 XT90 (2+2) Series

Source page 41 of the Chinese edition. 40-45A, 2+2 hybrid, wire type

40.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Product name: XT90 (2+2); Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 55A/8#, 50A/10#, 45A/12# (temperature rise 60°C).

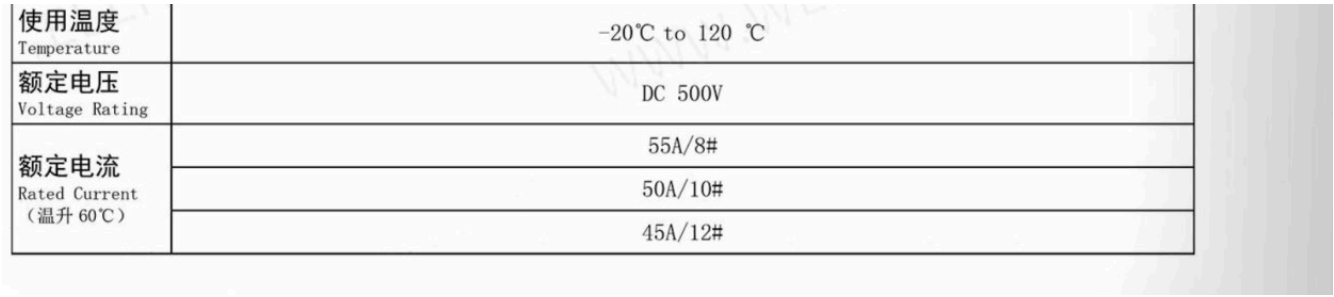


Figure 109. XT90 (2+2) Series: product views

40.2 Technical data

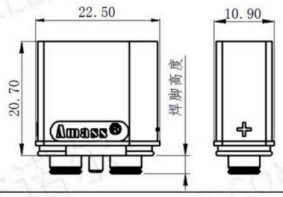
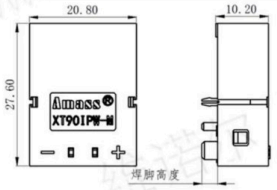
Item	Value
Product name	XT90 (2+2)
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	55A/8#, 50A/10#, 45A/12# (temperature rise 60°C)

40.3 XT90 (2+2) Series

ENGLISH

Product name: XT90 (2+2) PB / XT90 (2+2) PW; Weld leg height: XT90 (2+2) PB: 3.3mm; XT90 (2+2) PW: 2.8mm; Ingress protection: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current: 45-55A.

Item	Value
Product name	XT90 (2+2) PB / XT90 (2+2) PW
Weld leg height	XT90 (2+2) PB: 3.3mm; XT90 (2+2) PW: 2.8mm
Ingress protection	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current	45-55A

图片 Picture		
图纸 Drawing		
型号	XT90(2+2)PB-M.G.Y	XT90(2+2)PW-M.G.Y
	XT90(2+2)PB-M.N.B	XT90(2+2)PW-M.N.B

规格 Specifications ［详见产品规格书］		
名称 Item No	XT90(2+2)PB	XT90(2+2)PW
焊脚高度 Weld leg height	3.3mm	2.8mm
防护等级 Protection Level	IP40	
机械寿命 Mechanical Life	100 times	
使用温度 Temperature	-20℃ to 120 ℃	
额定电压 Voltage Rating	DC 500V	
额定电流 Rated Current （温升60℃）	45-55A	

Figure 110. XT90 (2+2) Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

41 XT120 (2+2) Series

Source page 42 of the Chinese edition. 45-60A hybrid, wire type

41.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Item No.: MXE100 (2+4) / XT120 (2+2) / AS120; Protection level: IP40; Mechanical life: 1000 times (MXE100) / 100 times (XT120, AS120); Operating temperature: -20°C to 120°C; Rated voltage: DC 500V (MXE100, XT120) / DC 48V, equivalent capacitance ≤2600UF (AS120); Rated current (temp. rise 60°C): 50A/12# (MXE100, temp. rise 80°C); 65A/8# (XT120, AS120); 60A/10# (XT120, AS120); 45A/12# (XT120, AS120).



Figure 111. XT120 (2+2) Series: product views

41.2 Technical data

Item	Value
Item No.	MXE100 (2+4) / XT120 (2+2) / AS120
Protection level	IP40
Mechanical life	1000 times (MXE100) / 100 times (XT120, AS120)
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V (MXE100, XT120) / DC 48V, equivalent capacitance ≤2600UF (AS120)
Rated current (temp. rise 60°C)	50A/12# (MXE100, temp. rise 80°C)
65A/8# (XT120, AS120)	
60A/10# (XT120, AS120)	
45A/12# (XT120, AS120)	

41.3 XT150 Series

ENGLISH

Item No.: XT150; Protection level: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current (temp. rise 60°C): 65A/8#; 50A/10#; 40A/12#.

Item	Value
Item No.	XT150
Protection level	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current (temp. rise 60°C)	65A/8#
50A/10#	
40A/12#	

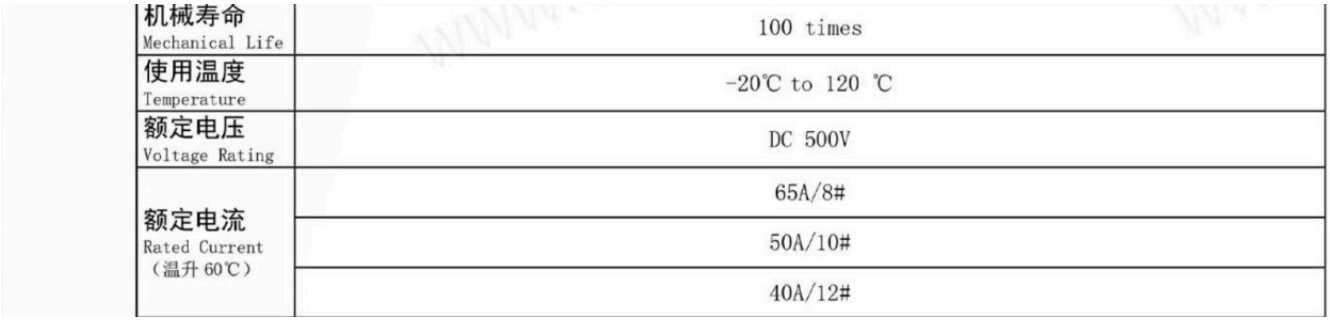


Figure 112. XT150 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

42 AS150 Series

Source page 43 of the Chinese edition. 60-100A hybrid, wire type

42.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Item No.: AS150U; Protection level: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 48V, equivalent capacitance ≤2600UF; Rated current (temp. rise 60°C): 80A/8#; 70A/10#; 40A/12#.

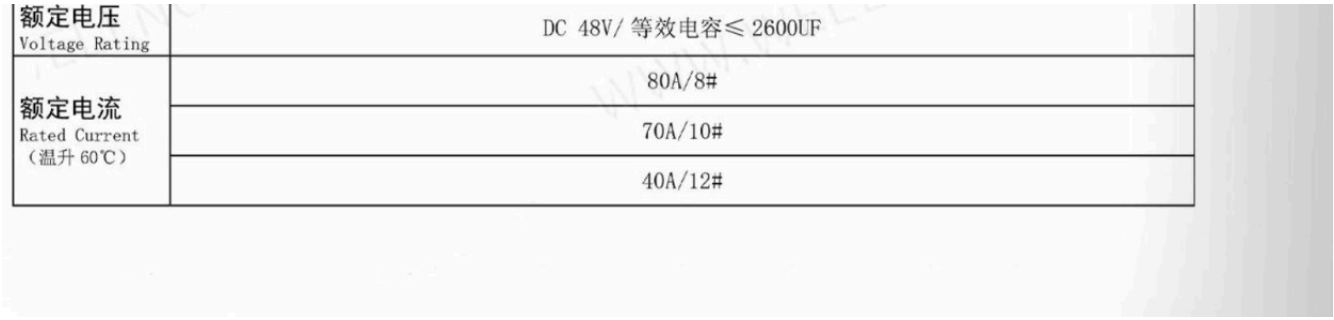


Figure 113. AS150 Series: product views

42.2 Technical data

Item	Value
Item No.	AS150U
Protection level	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 48V, equivalent capacitance ≤2600UF
Rated current (temp. rise 60°C)	80A/8#
70A/10#	
40A/12#	

42.3 AS150 Series

ENGLISH

Item No.: AS150UPB; Weld leg height: 3.3mm; Protection level: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current (temp. rise 60°C): 70-80A.

Item	Value
Item No.	AS150UPB
Weld leg height	3.3mm
Protection level	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current (temp. rise 60°C)	70-80A

名称 Item No	AS150UPB
焊脚高度 Weld leg height	3.3mm
防护等级 Protection Level	IP40
机械寿命 Mechanical Life	100 times
使用温度 Temperature	-20℃ to 120 ℃
额定电压 Voltage Rating	DC 500V
额定电流 Rated Current （温升 60℃）	70-80A

Figure 114. AS150 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

43 AS150 Series

Source page 44 of the Chinese edition. 60-100A, 1-pin, wire type

43.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Item No.: AS150; Protection level: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 48V, equivalent capacitance ≤2600UF; Rated current (temp. rise 60°C): 65A/8#; 50A/10#; 40A/12#.

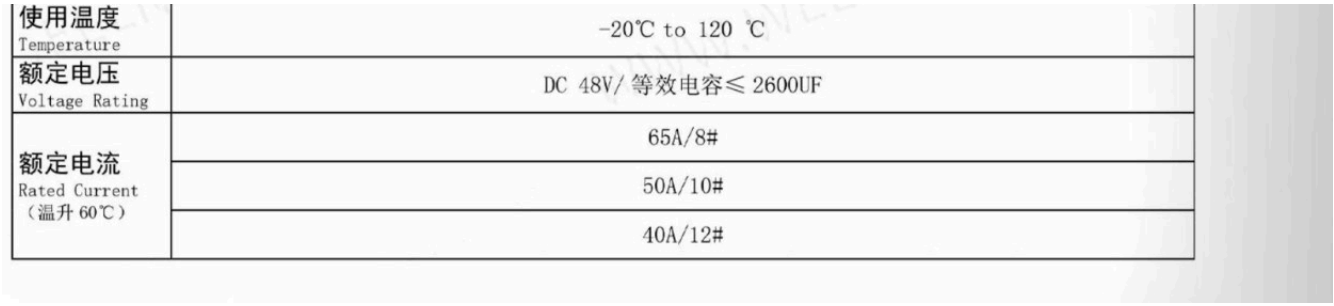


Figure 115. AS150 Series: product views

43.2 Technical data

Item	Value
Item No.	AS150
Protection level	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 48V, equivalent capacitance ≤2600UF
Rated current (temp. rise 60°C)	65A/8#
50A/10#	
40A/12#	

43.3 AS300 Series

ENGLISH

Item No.: AS300E; Protection level: IP65; Mechanical life: 2000 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 60V; Rated current: 120A/6# (temp. rise 60°C); 150A/6# (temp. rise 85°C).

Item	Value
Item No.	AS300E
Protection level	IP65
Mechanical life	2000 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 60V
Rated current	120A/6# (temp. rise 60°C)
150A/6# (temp. rise 85°C)	

使用温度 Temperature	-20℃ to 120 ℃	
额定电压 Voltage Rating	DC 60V	
额定电流 Rated Current	120A/6# （温升 60℃）	150A/6# （温升 85℃）

Figure 116. AS300 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

44 SH8.0 Series

Source page 45 of the Chinese edition. 100-150A, 1-pin, wire type

44.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

Item No.: SH8.0; Protection level: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current (temp. rise 60°C): 100A/6#.

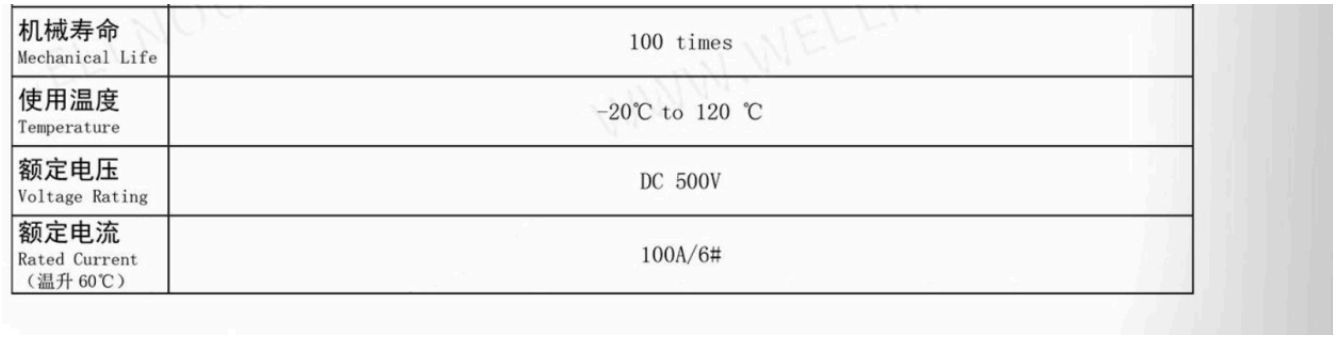


Figure 117. SH8.0 Series: product views

44.2 Technical data

Item	Value
Item No.	SH8.0
Protection level	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current (temp. rise 60°C)	100A/6#

44.3 AM1015 Series

ENGLISH

Item No.: AM-1015 / AM-1015E; Protection level: IP40; Mechanical life: 100 times; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Rated current (temp. rise 60°C): 30A/12#; 25A/14#; 20A/16#.

Item	Value
Item No.	AM-1015 / AM-1015E
Protection level	IP40
Mechanical life	100 times
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Rated current (temp. rise 60°C)	30A/12#
25A/14#	
20A/16#	



规格 Specifications ［详见产品规格书］		
名称 Item No	AM-1015	AM-1015E
防护等级 Protection Level	IP40	
机械寿命 Mechanical Life	100 times	
使用温度 Temperature	-20℃ to 120 ℃	
额定电压 Voltage Rating	DC 500V	
额定电流 Rated Current （温升 60℃）	30A/12#	
	25A/14#	
	20A/16#	

Figure 118. AM1015 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

45 2+9 Series

Source page 46 of the Chinese edition. Model aircraft plug

45.1 Product description

ENGLISH

Rated current: 3-20A; Rated voltage: DC 500V; Temperature range: -20°C ~ 125°C; Insulator: PA66+25% G.F(UL94V-0)-WH; Pin: Brass, gold-plated.

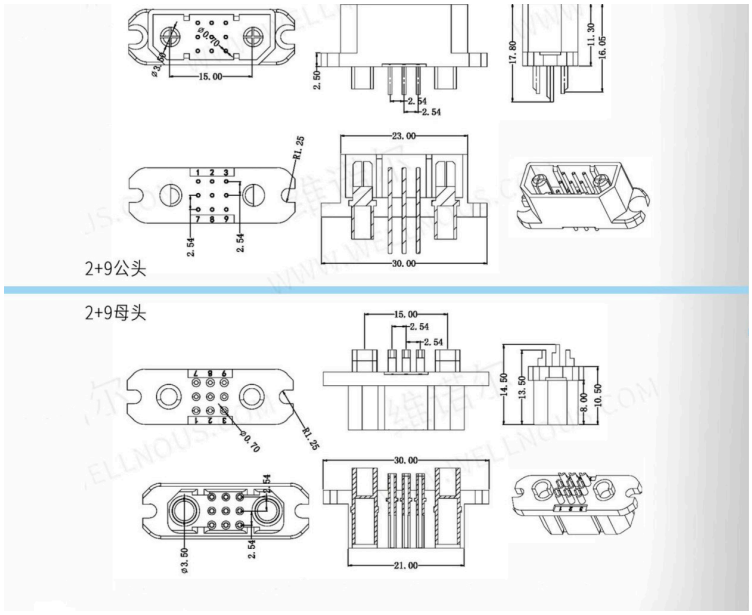


Figure 119. 2+9 Series: product views

45.2 Technical data

Item	Value
Rated current	3-20A
Rated voltage	DC 500V
Temperature range	-20°C ~ 125°C
Insulator	PA66+25% G.F(UL94V-0)-WH
Pin	Brass, gold-plated

45.3 HY-2+4Y Series

ENGLISH

Metal material: Copper, gold-plated (1U); Instantaneous current: 60A (large) / 7A (small); Rated current: 30A (large) / 5A (small); Insulation material: PA; Contact resistance: 0.30mΩ; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Flame retardant rating: UL94 V0; Recommended mating cycles: 1000 TIMES.

Item	Value
Metal material	Copper, gold-plated (1U)
Instantaneous current	60A (large) / 7A (small)
Rated current	30A (large) / 5A (small)
Insulation material	PA
Contact resistance	0.30mΩ
Operating temperature	-20°C to 120°C

Item	Value
Rated voltage	DC 500V
Flame retardant rating	UL94 V0
Recommended mating cycles	1000 TIMES

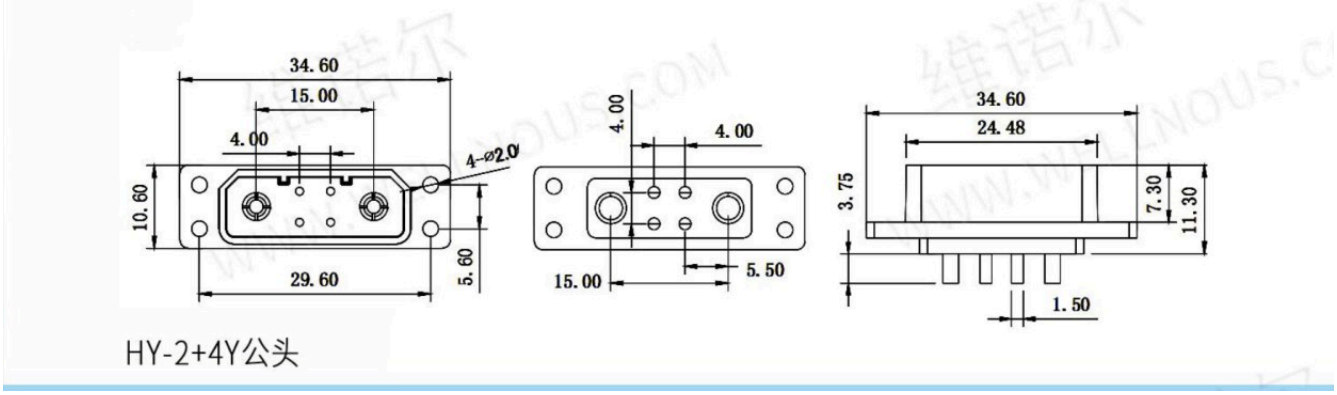


Figure 120. HY-2+4Y Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

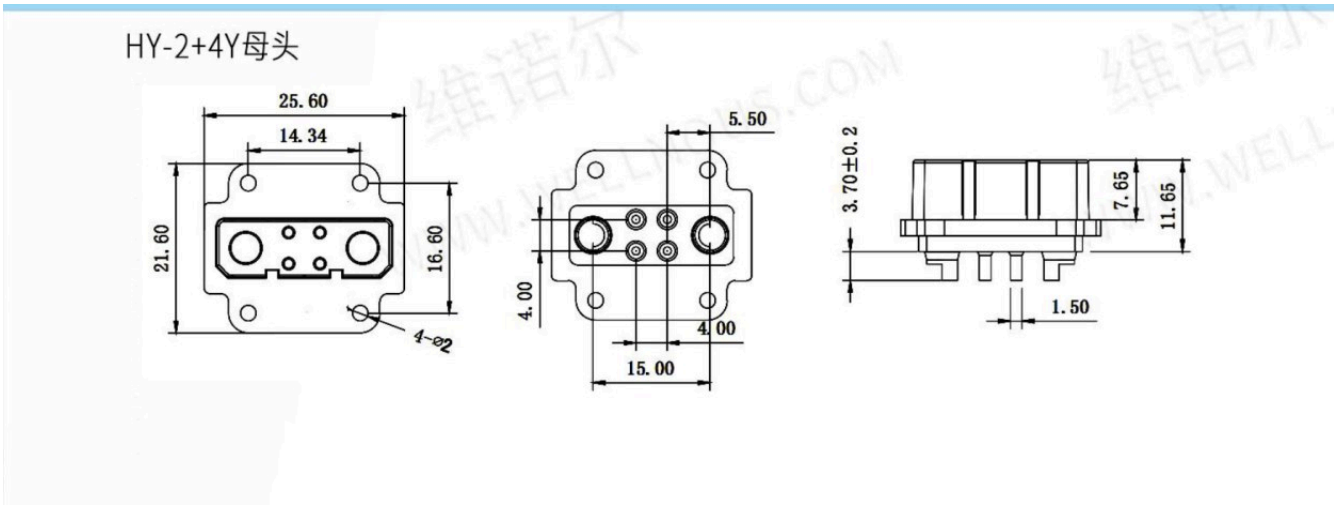


Figure 121. HY-2+4Y Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

46 HY-2+6P Series

Source page 47 of the Chinese edition. Model aircraft plug

46.1 Product description

ENGLISH

Metal material: Copper, gold-plated (1U); Insulation material: PA; Instantaneous current: 150A (large) / 7A (small); Rated current: 120A (large) / 5A (small); Rated voltage: DC 500V; Operating temperature: -20°C to 120°C; Flame retardant rating: UL94; Recommended mating cycles: 2000 TIMES.

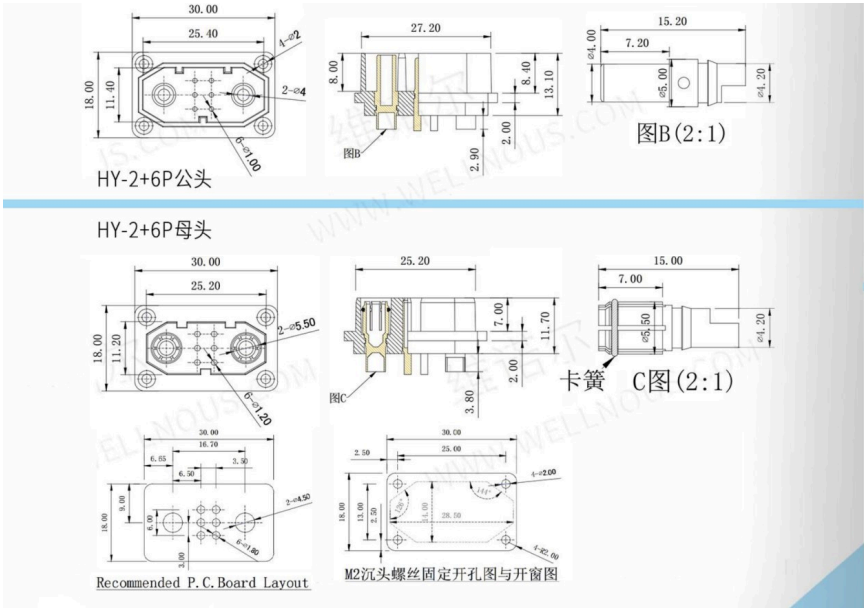


Figure 122. HY-2+6P Series: product views

46.2 Technical data

Item	Value
Metal material	Copper, gold-plated (1U)
Insulation material	PA
Instantaneous current	150A (large) / 7A (small)
Rated current	120A (large) / 5A (small)
Rated voltage	DC 500V
Operating temperature	-20°C to 120°C
Flame retardant rating	UL94
Recommended mating cycles	2000 TIMES

46.3 HY-2+8Y Series

ENGLISH

Metal material: Copper, gold-plated (1U); Instantaneous current: 60A (large) / 7A (small); Rated current: 30A (large) / 5A (small); Insulation material: PA; Contact resistance: 0.30mΩ; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Flame retardant rating: UL94 V0; Recommended mating cycles: 1000 TIMES.

Item	Value
Metal material	Copper, gold-plated (1U)
Instantaneous current	60A (large) / 7A (small)

Item	Value
Rated current	30A (large) / 5A (small)
Insulation material	PA
Contact resistance	0.30mΩ
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Flame retardant rating	UL94 V0
Recommended mating cycles	1000 TIMES

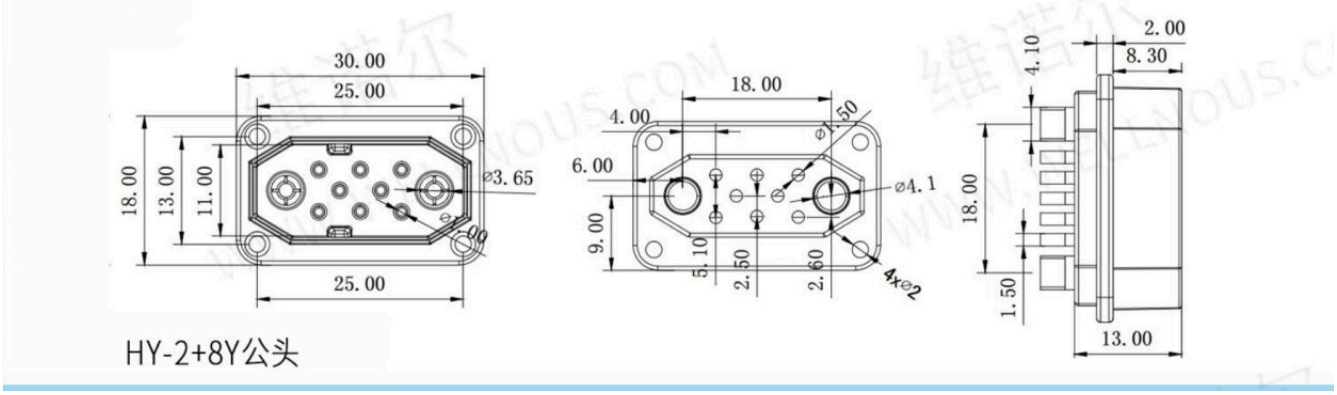


Figure 123. HY-2+8Y Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

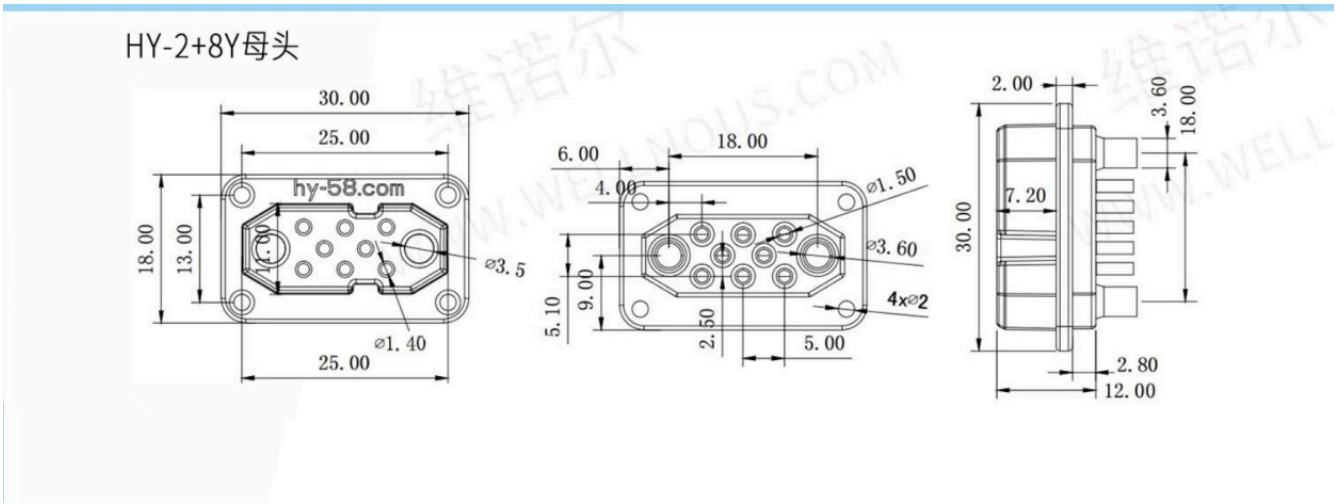


Figure 124. HY-2+8Y Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

47 JY3P Series

Source page 48 of the Chinese edition. Model aircraft plug

47.1 Product description

ENGLISH

Metal material: Copper, gold-plated (1U); Insulation material: PA; Instantaneous current: 7A; Rated current: 5A; Rated voltage: DC 500V; Operating temperature: -20°C to 100°C; Recommended mating cycles: 2000 TIMES.

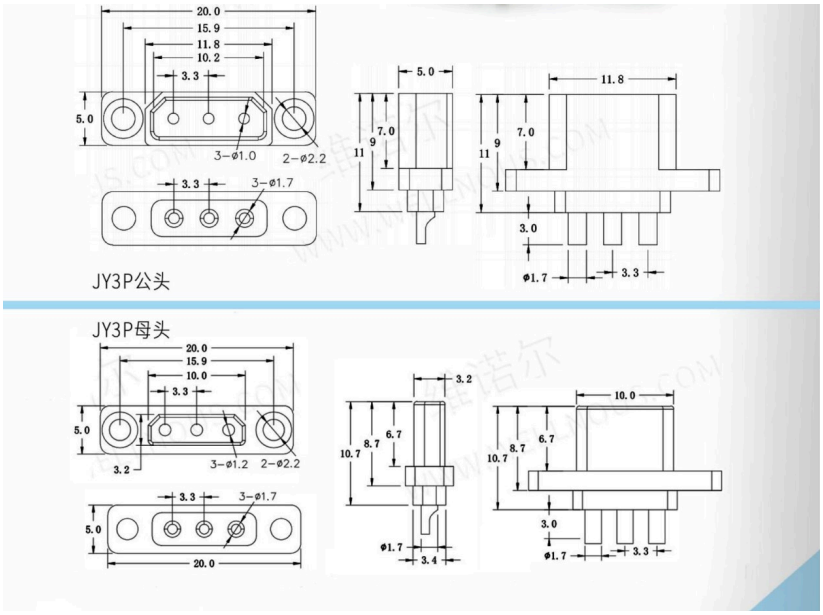


Figure 125. JY3P Series: product views

47.2 Technical data

Item	Value
Metal material	Copper, gold-plated (1U)
Insulation material	PA
Instantaneous current	7A
Rated current	5A
Rated voltage	DC 500V
Operating temperature	-20°C to 100°C
Recommended mating cycles	2000 TIMES

47.3 JY6P-G Series

ENGLISH

Metal material: Copper, gold-plated (1U); Insulation material: PA; Instantaneous current: 10A; Rated current: 5A; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Flame retardant rating: UL94 V2; Recommended mating cycles: 2000 TIMES.

Item	Value
Metal material	Copper, gold-plated (1U)
Insulation material	PA
Instantaneous current	10A
Rated current	5A

Item	Value
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Flame retardant rating	UL94 V2
Recommended mating cycles	2000 TIMES

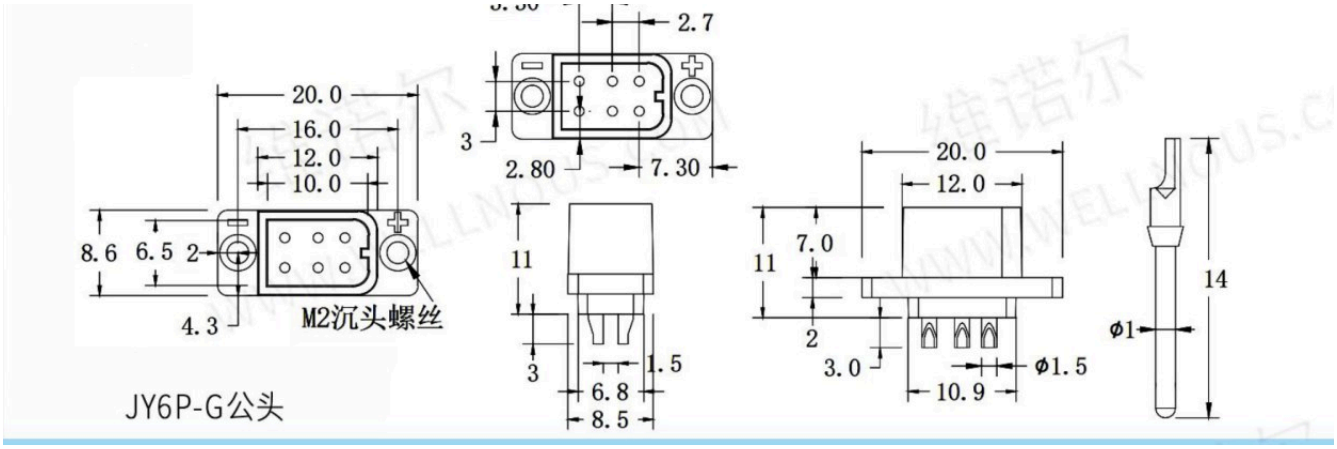


Figure 126. JY6P-G Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

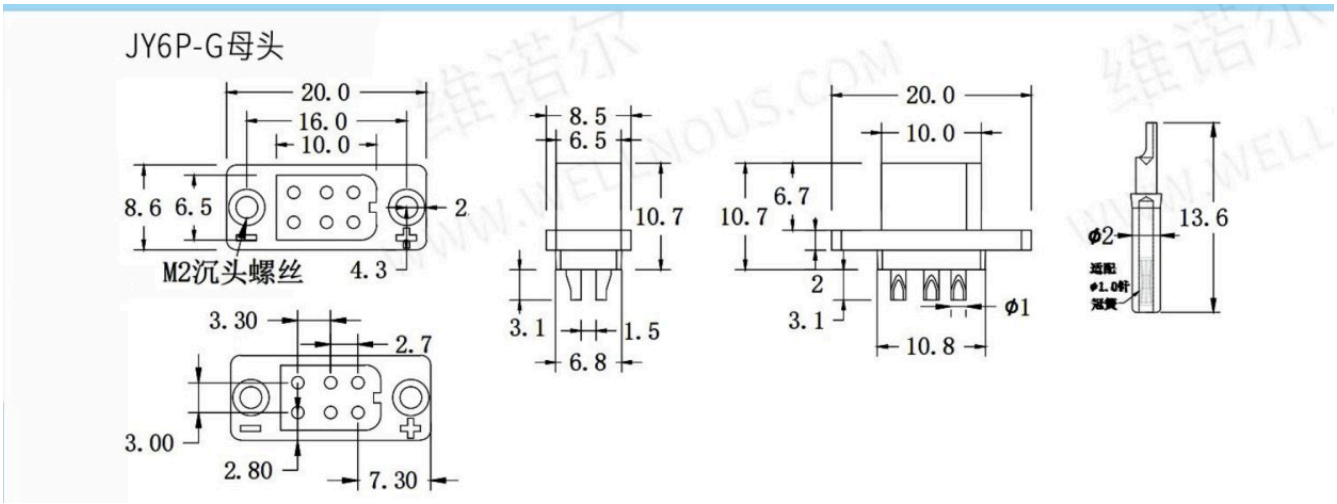


Figure 127. JY6P-G Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

48 HY-AF10P Series

Source page 49 of the Chinese edition. Model aircraft plug

48.1 Product description

ENGLISH

Metal material: Copper, gold-plated (1U); Insulation material: PA; Instantaneous current: 7A; Rated current: 5A; Rated voltage: DC 500V; Contact resistance: 0.3mΩ; Operating temperature: -20°C to 120°C; Recommended mating cycles: 1000 TIMES.

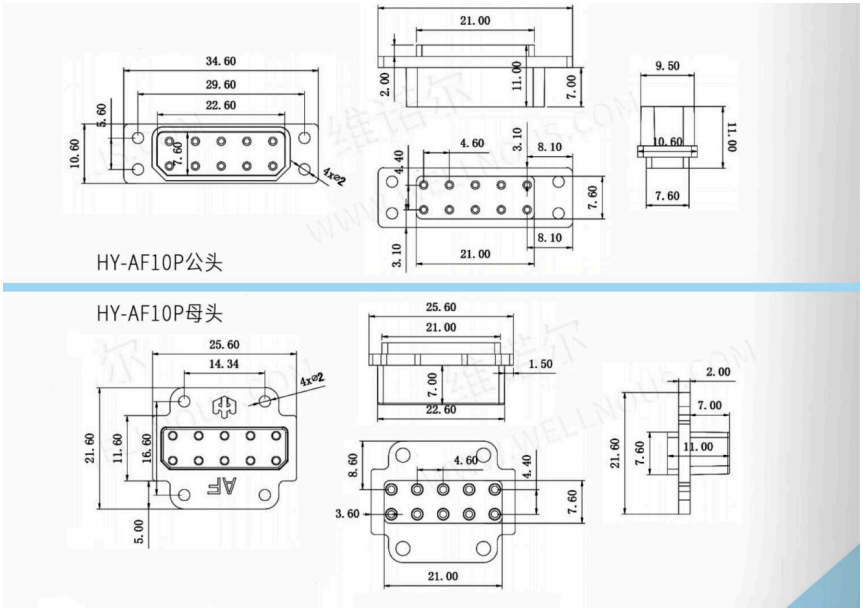


Figure 128. HY-AF10P Series: product views

48.2 Technical data

Item	Value
Metal material	Copper, gold-plated (1U)
Insulation material	PA
Instantaneous current	7A
Rated current	5A
Rated voltage	DC 500V
Contact resistance	0.3mΩ
Operating temperature	-20°C to 120°C
Recommended mating cycles	1000 TIMES

48.3 JY12P Series

ENGLISH

Metal material: Copper, gold-plated (1U); Insulation material: PA; Instantaneous current: 10A; Rated current: 5A; Operating temperature: -20°C to 120°C; Rated voltage: DC 500V; Flame retardant rating: UL94 V2; Recommended mating cycles: 2000 TIMES.

Item	Value
Metal material	Copper, gold-plated (1U)
Insulation material	PA

Item	Value
Instantaneous current	10A
Rated current	5A
Operating temperature	-20°C to 120°C
Rated voltage	DC 500V
Flame retardant rating	UL94 V2
Recommended mating cycles	2000 TIMES

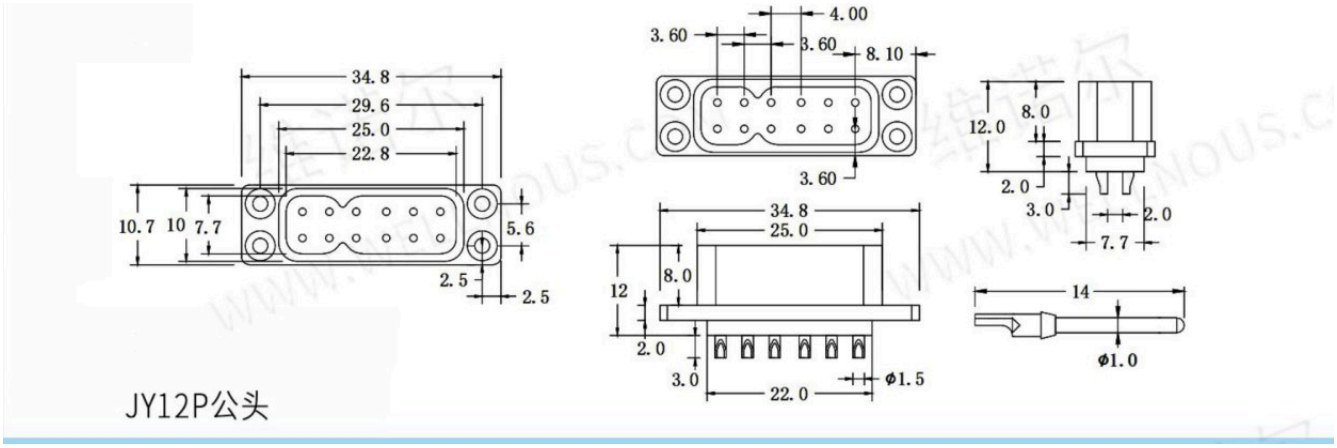


Figure 129. JY12P Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

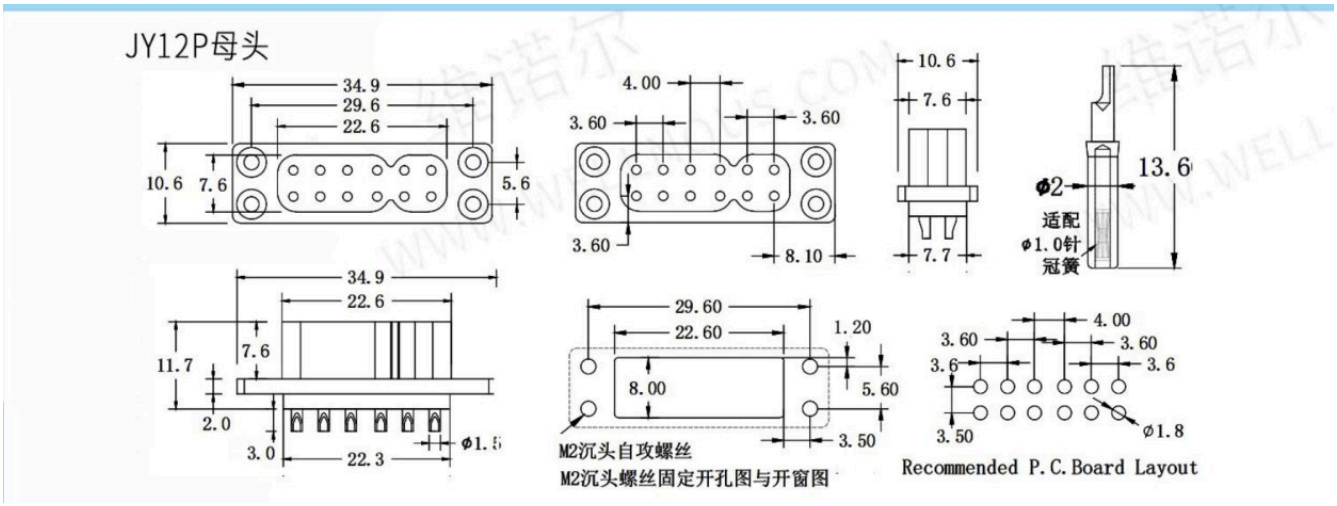


Figure 130. JY12P Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

49 QS2 Anti-spark Series

Source page 50 of the Chinese edition. Model aircraft plug

49.1 Product description

ENGLISH

Rated current: 15A; Instantaneous current: 30A; Rated voltage: DC 500V; Communication interface: 2; Insulation material: PA66; Metal material: Brass, gold-plated; Operating temperature: -20°C ~ 120°C; Flame retardant rating: UL94-V0; Recommended wire: 18AWG~24AWG; Mating life: 1000 times.

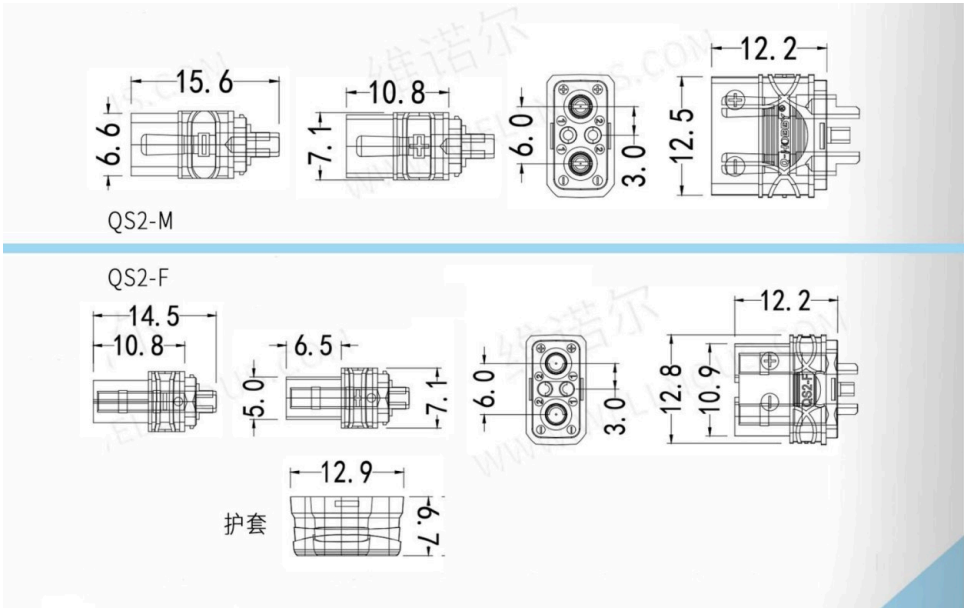


Figure 131. QS2 Anti-spark Series: product views

49.2 Technical data

Item	Value
Rated current	15A
Instantaneous current	30A
Rated voltage	DC 500V
Communication interface	2
Insulation material	PA66
Metal material	Brass, gold-plated
Operating temperature	-20°C ~ 120°C
Flame retardant rating	UL94-V0
Recommended wire	18AWG~24AWG
Mating life	1000 times

49.3 QS5 Anti-spark Series

ENGLISH

Rated current: 60A; Instantaneous current: 90A; Rated voltage: DC 500V; Communication interface: 3; Insulation material: PA66; Metal material: Brass, gold-plated; Operating temperature: -20°C ~ 120°C; Flame retardant rating: UL94-V0; Recommended wire: 10AWG~14AWG; Mating life: 1000 times.

Item	Value
Rated current	60A
Instantaneous current	90A
Rated voltage	DC 500V
Communication interface	3
Insulation material	PA66
Metal material	Brass, gold-plated
Operating temperature	-20°C ~ 120°C
Flame retardant rating	UL94-V0
Recommended wire	10AWG~14AWG
Mating life	1000 times

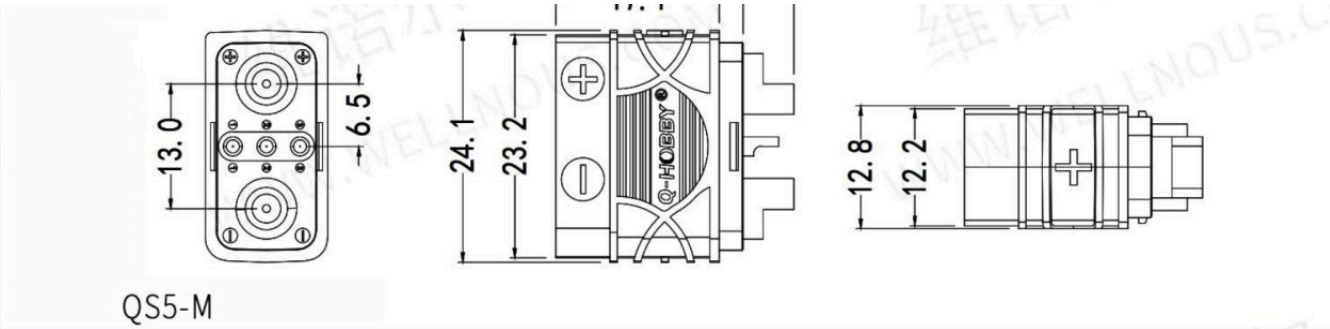


Figure 132. QS5 Anti-spark Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

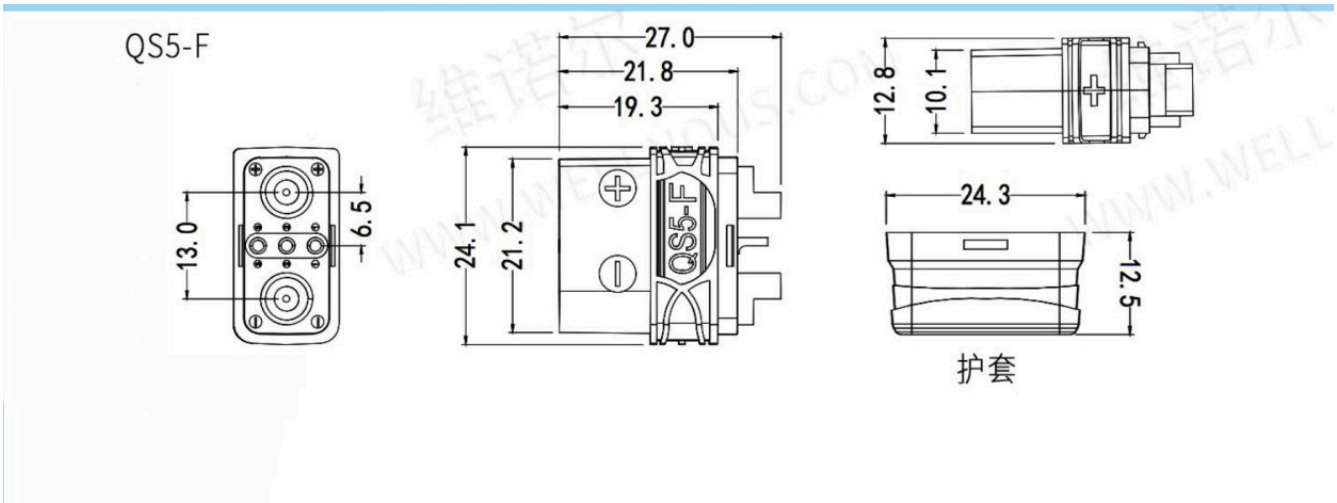


Figure 133. QS5 Anti-spark Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

50 QS7-S Anti-spark Series

Source page 51 of the Chinese edition. Model aircraft plug

50.1 Product description

ENGLISH

Rated current: 80A; Instantaneous current: 110A; Rated voltage: DC 500V; Communication interface: 4; Insulation material: PA66; Metal material: Brass, gold-plated; Operating temperature: -20°C ~ 120°C; Flame retardant rating: UL94-V0; Recommended wire: 8AWG~12AWG; Mating life: 1000 times.

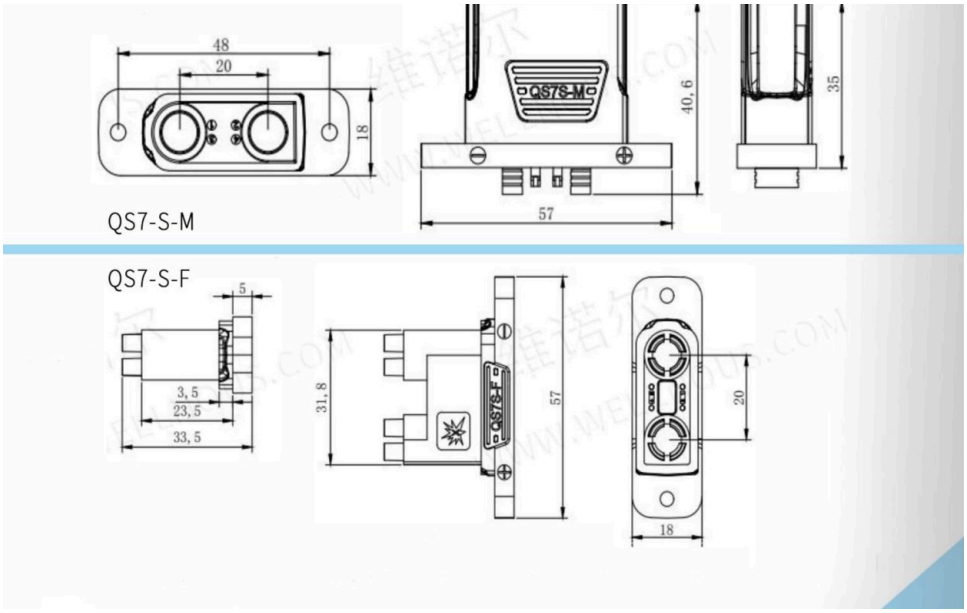


Figure 134. QS7-S Anti-spark Series: product views

50.2 Technical data

Item	Value
Rated current	80A
Instantaneous current	110A
Rated voltage	DC 500V
Communication interface	4
Insulation material	PA66
Metal material	Brass, gold-plated
Operating temperature	-20°C ~ 120°C
Flame retardant rating	UL94-V0
Recommended wire	8AWG~12AWG
Mating life	1000 times

50.3 QS8-S Anti-spark Series

ENGLISH

Rated current: 110A; Instantaneous current: 180A; Rated voltage: DC 500V; Insulation material: PA66; Metal material: Brass, gold-plated; Operating temperature: -20°C ~ 120°C; Flame retardant rating: UL94-V0; Recommended wire: 8AWG~12AWG; Mating life: 1000 times; Colour: Black / Blue.

Item	Value
Rated current	110A
Instantaneous current	180A
Rated voltage	DC 500V
Insulation material	PA66
Metal material	Brass, gold-plated
Operating temperature	-20°C ~ 120°C
Flame retardant rating	UL94-V0
Recommended wire	8AWG~12AWG
Mating life	1000 times
Colour	Black / Blue

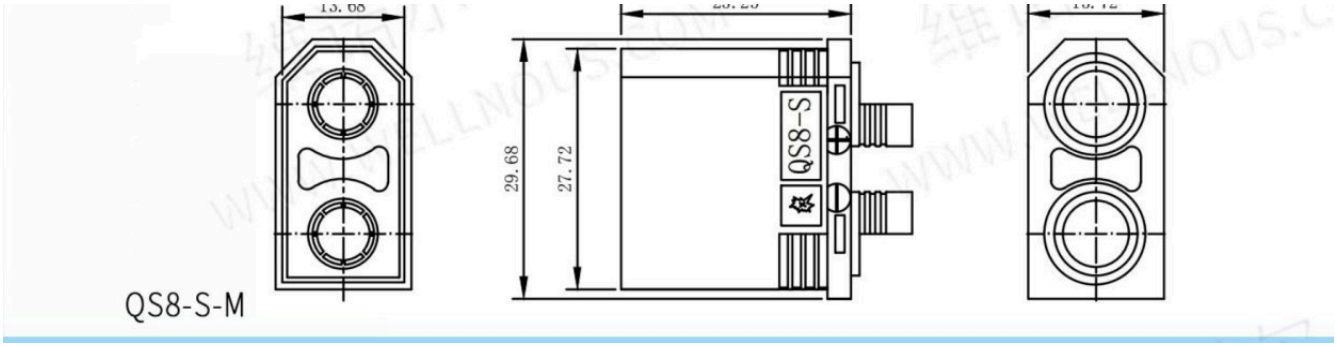


Figure 135. QS8-S Anti-spark Series: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

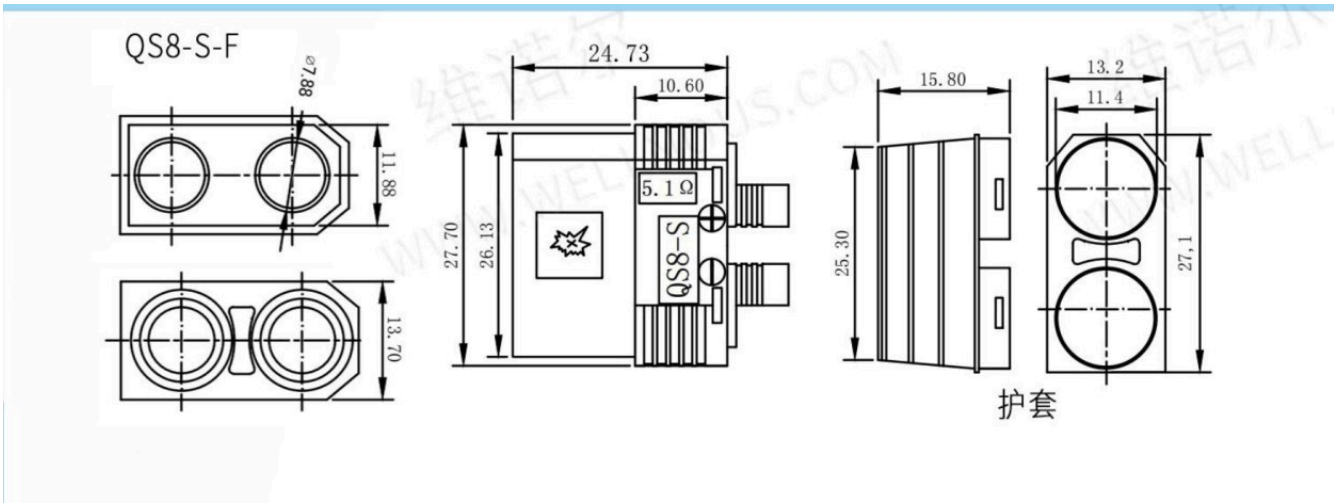


Figure 136. QS8-S Anti-spark Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

51 QS8-S+ Extended Version

Source page 52 of the Chinese edition. RC model plug

51.1 Product description

ENGLISH

Rated current: 130A; Instantaneous current: 180A; Rated voltage: DC 500V; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 8AWG~12AWG; Mating cycles: 1000 times; Color: Black / Blue.

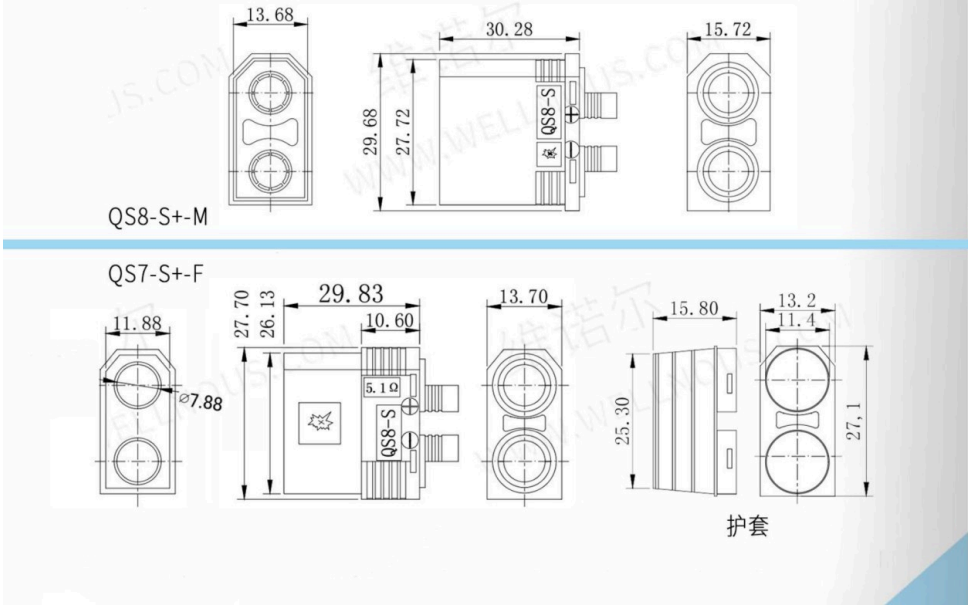


Figure 137. QS8-S+ Extended Version: product views

51.2 Technical data

Item	Value
Product parameters	
Rated current	130A
Instantaneous current	180A
Rated voltage	DC 500V
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	8AWG~12AWG
Mating cycles	1000 times
Color	Black / Blue

51.3 QS8U Anti-spark

ENGLISH

Rated current: 130A; Instantaneous current: 180A; Rated voltage: DC 500V; Communication interface: 4; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 8AWG~12AWG; Mating cycles: 1000 times.

Item	Value
Product parameters	
Rated current	130A
Instantaneous current	180A
Rated voltage	DC 500V
Communication interface	4
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	8AWG~12AWG
Mating cycles	1000 times

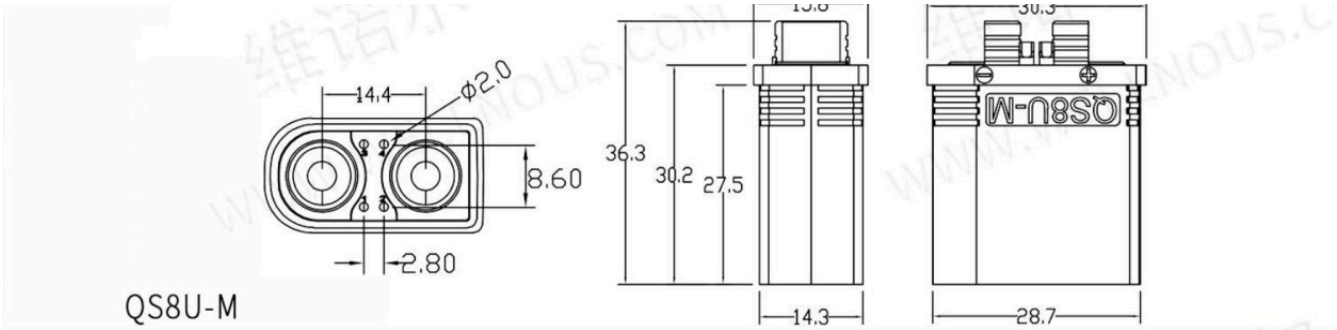


Figure 138. QS8U Anti-spark: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

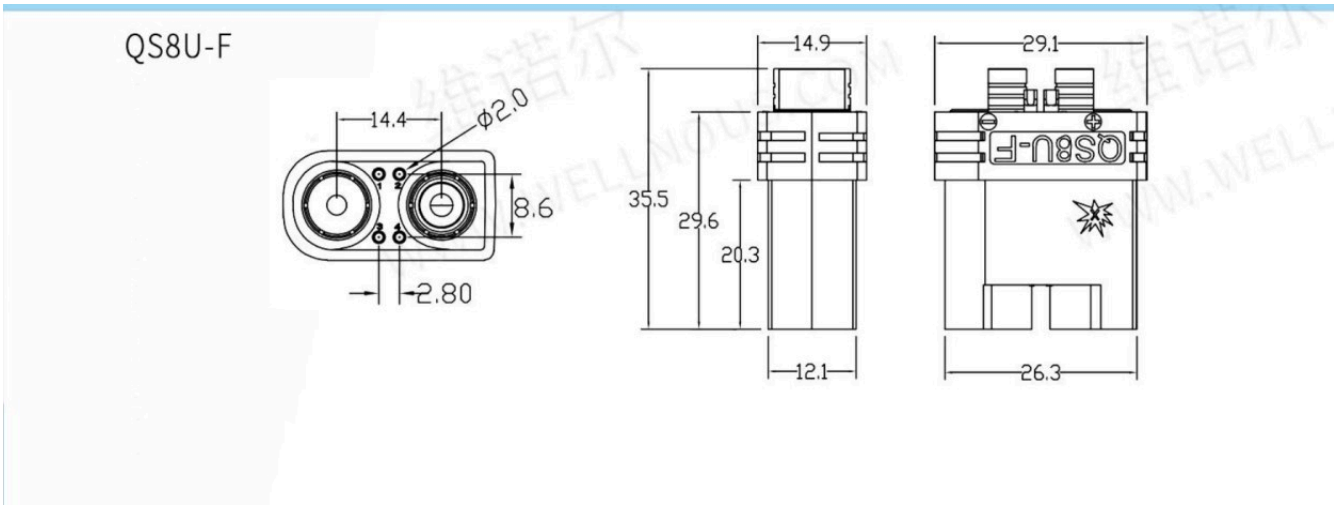


Figure 139. QS8U Anti-spark: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

52 QS8P-L Anti-spark

Source page 53 of the Chinese edition. RC model plug

52.1 Product description

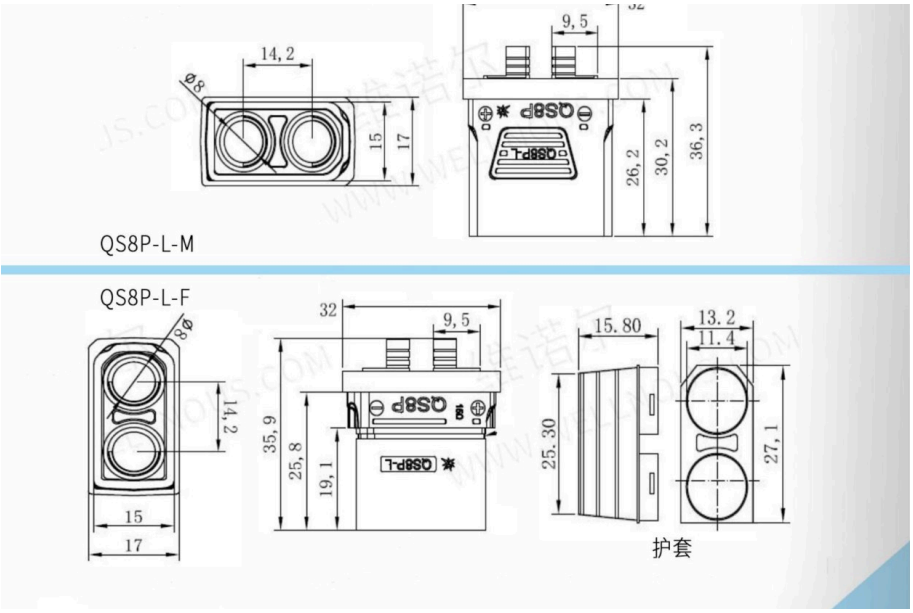


Figure 140. QS8P-L Anti-spark: product views

52.2 QS8P-U Anti-spark

ENGLISH

Rated current: 130A; Instantaneous current: 180A; Rated voltage: DC 500V; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 8AWG~12AWG; Mating cycles: 1000 times.

Item	Value
Product parameters	
Rated current	130A
Instantaneous current	180A
Rated voltage	DC 500V
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	8AWG~12AWG
Mating cycles	1000 times

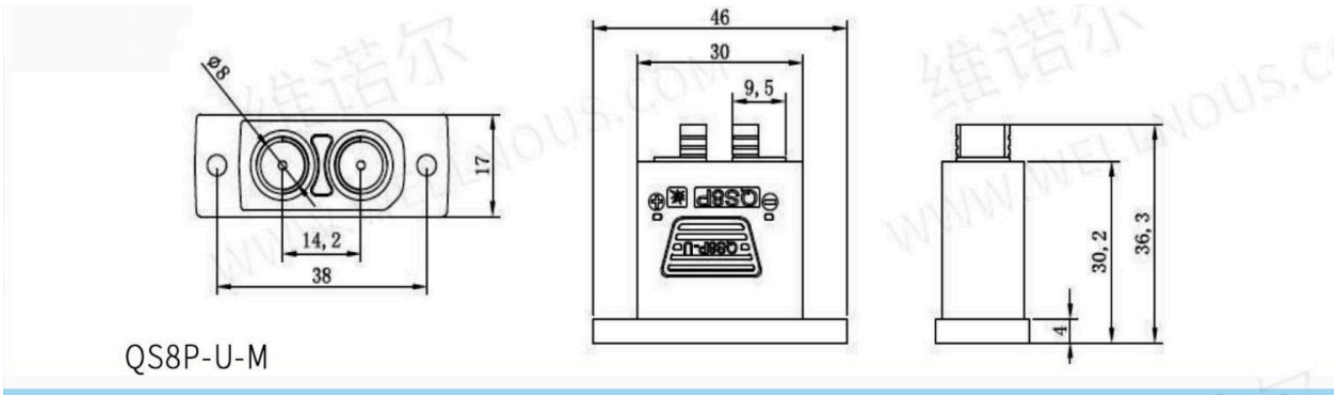


Figure 141. QS8P-U Anti-spark: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

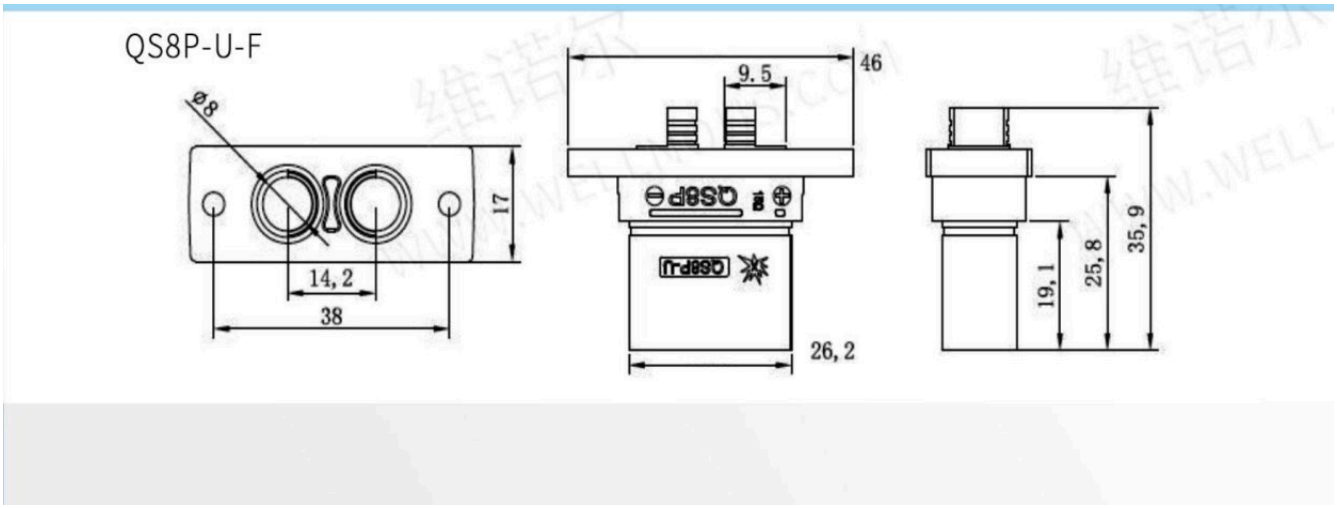


Figure 142. QS8P-U Anti-spark: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

53 QS8P-S Anti-spark

Source page 54 of the Chinese edition. RC model plug

53.1 Product description

ENGLISH

Rated current: 130A; Instantaneous current: 180A; Rated voltage: DC 500V; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 8AWG~12AWG; Mating cycles: 1000 times.

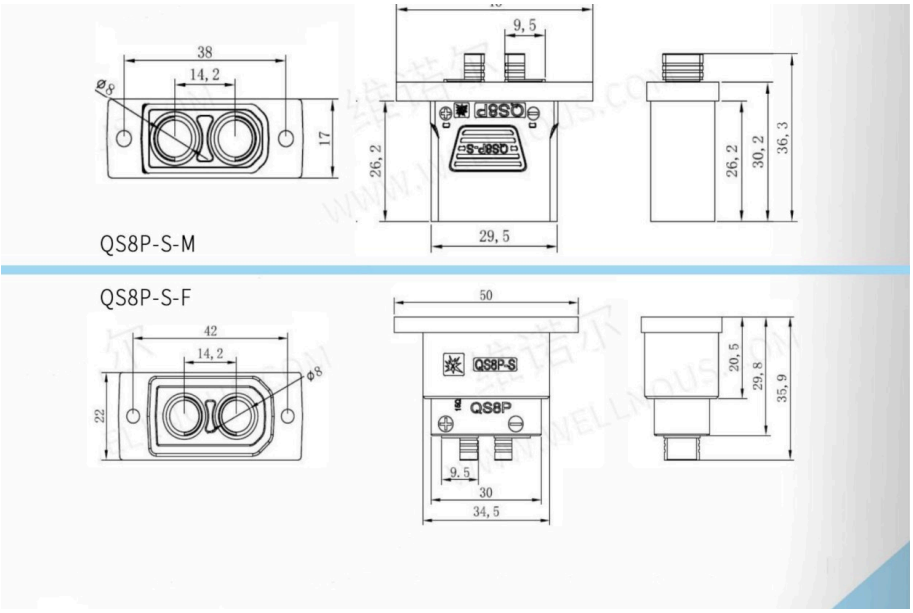


Figure 143. QS8P-S Anti-spark: product views

53.2 Technical data

Item	Value
Product parameters	
Rated current	130A
Instantaneous current	180A
Rated voltage	DC 500V
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	8AWG~12AWG
Mating cycles	1000 times

53.3 QS9L Anti-spark

ENGLISH

Rated current: 160A; Instantaneous current: 220A; Rated voltage: DC 500V; Communication interface: 4; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 6AWG~8AWG; Mating cycles: 1000 times.

Item	Value
Product parameters	
Rated current	160A
Instantaneous current	220A
Rated voltage	DC 500V
Communication interface	4
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	6AWG~8AWG
Mating cycles	1000 times

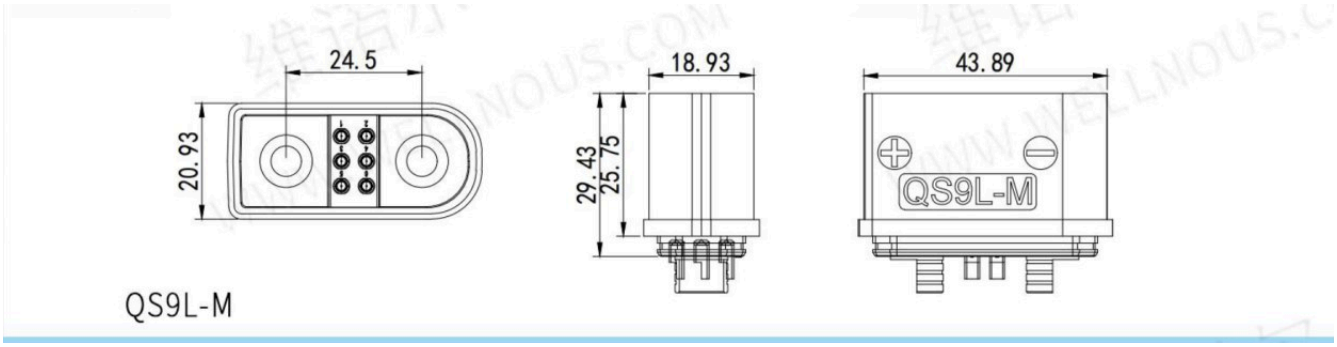


Figure 144. QS9L Anti-spark: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

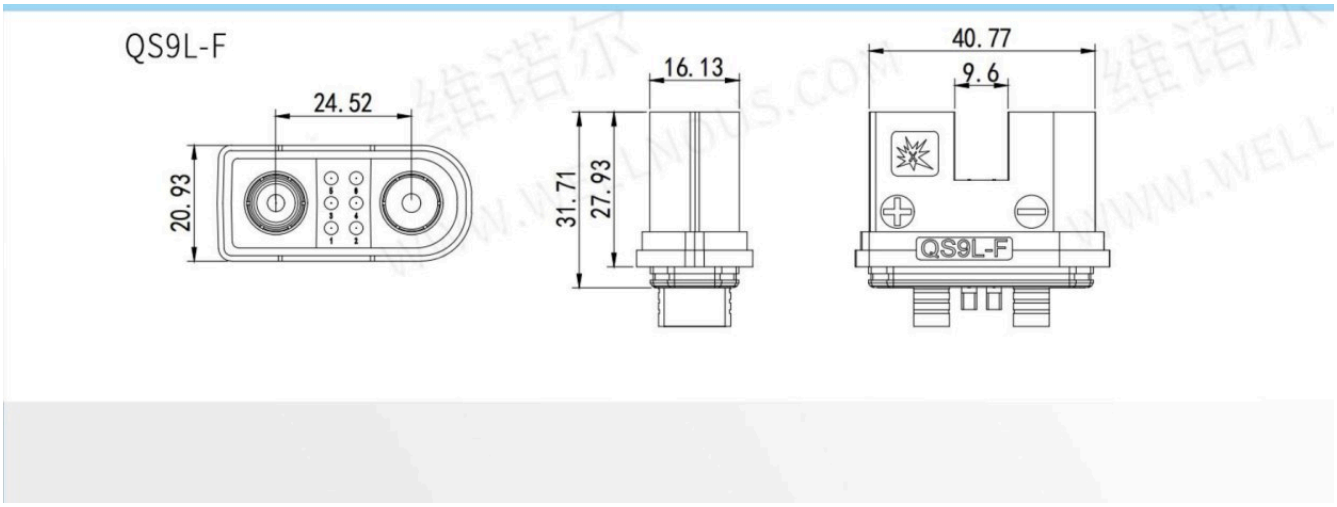


Figure 145. QS9L Anti-spark: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

54 QS9S Anti-spark

Source page 55 of the Chinese edition. RC model plug

54.1 Product description

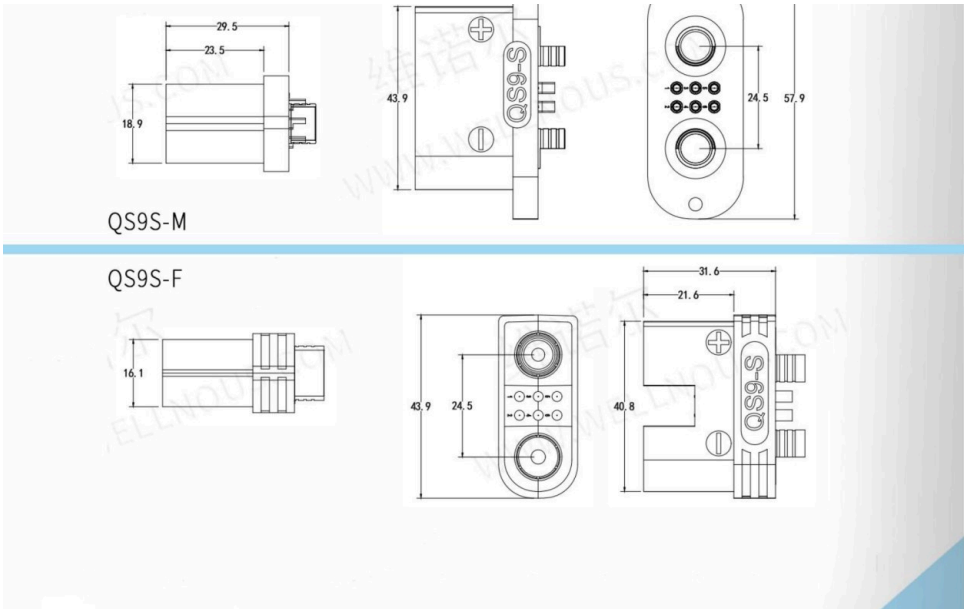


Figure 146. QS9S Anti-spark: product views

54.2 QS9U Anti-spark

ENGLISH

Rated current: 160A; Instantaneous current: 220A; Rated voltage: DC 500V; Communication interface: 4; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 6AWG~8AWG; Mating cycles: 1000 times.

Item	Value
Product parameters	
Rated current	160A
Instantaneous current	220A
Rated voltage	DC 500V
Communication interface	4
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	6AWG~8AWG
Mating cycles	1000 times

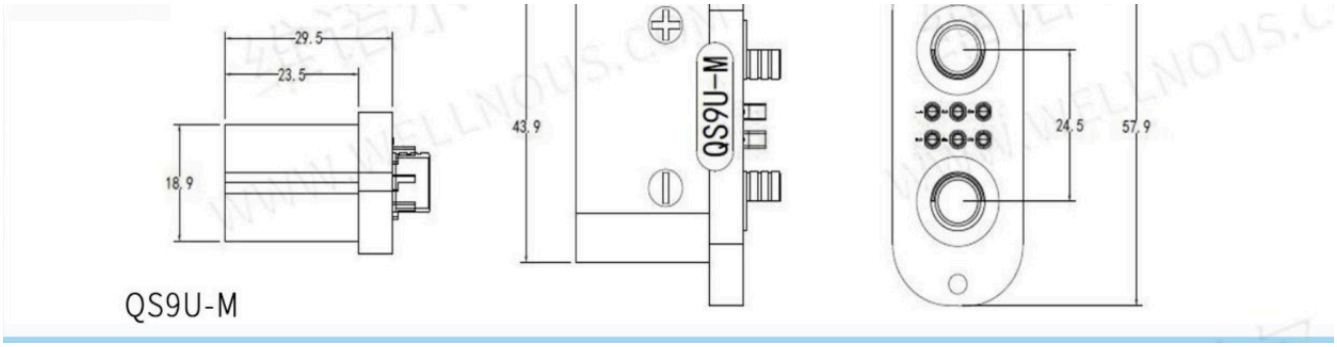


Figure 147. QS9U Anti-spark: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

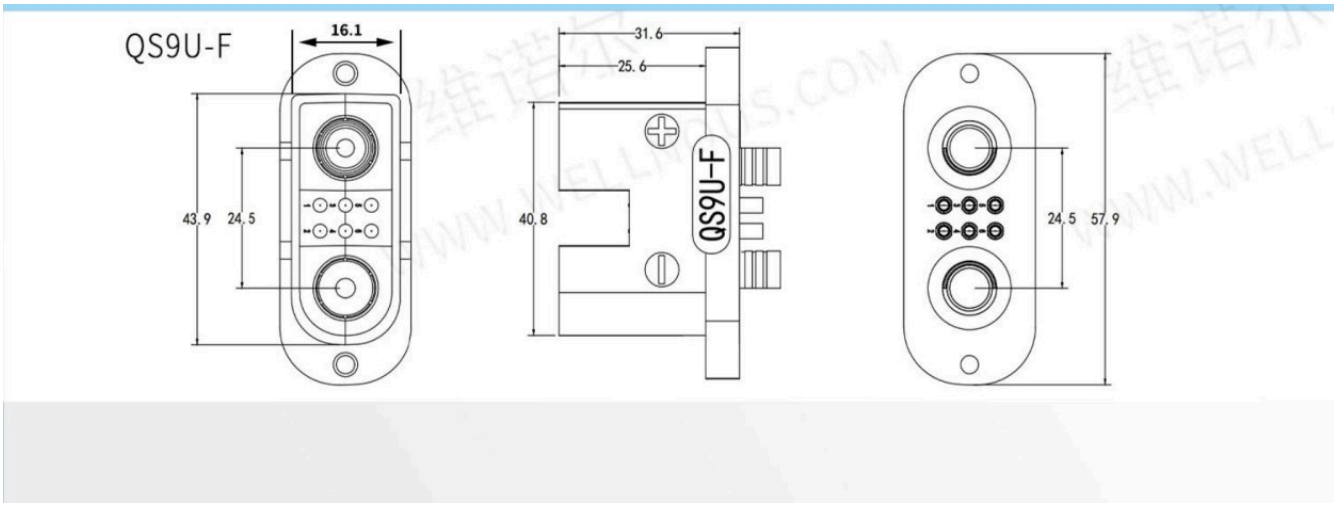


Figure 148. QS9U Anti-spark: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

55 QS9D Anti-spark

Source page 56 of the Chinese edition. RC model plug

55.1 Product description

ENGLISH

Rated current: 160A; Instantaneous current: 220A; Rated voltage: DC 500V; Communication interface: 4; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 6AWG~8AWG; Mating cycles: 1000 times.

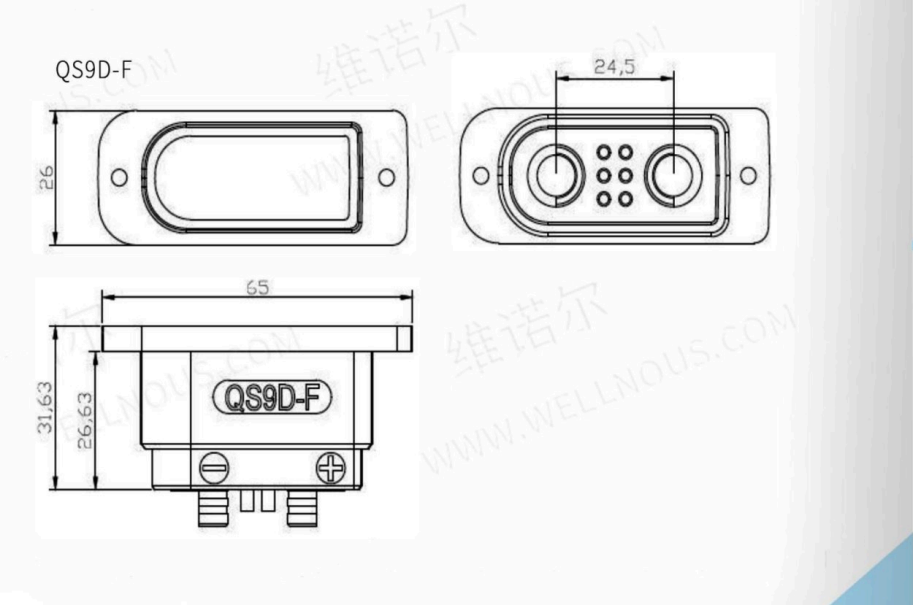


Figure 149. QS9D Anti-spark: product views

55.2 Technical data

Item	Value
Product parameters	
Rated current	160A
Instantaneous current	220A
Rated voltage	DC 500V
Communication interface	4
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	6AWG~8AWG
Mating cycles	1000 times

55.3 QS10-S Anti-spark

ENGLISH

Rated current: 180A; Instantaneous current: 240A; Rated voltage: DC 500V; Communication interface: 4; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 4AWG~8AWG; Mating cycles: 1000 times.

Item	Value
Product parameters	
Rated current	180A
Instantaneous current	240A
Rated voltage	DC 500V
Communication interface	4
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	4AWG~8AWG
Mating cycles	1000 times

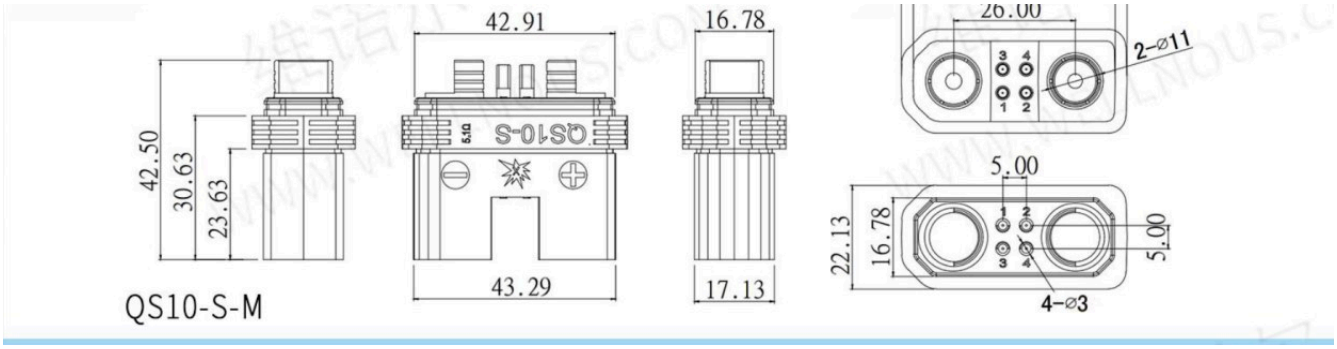


Figure 150. QS10-S Anti-spark: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

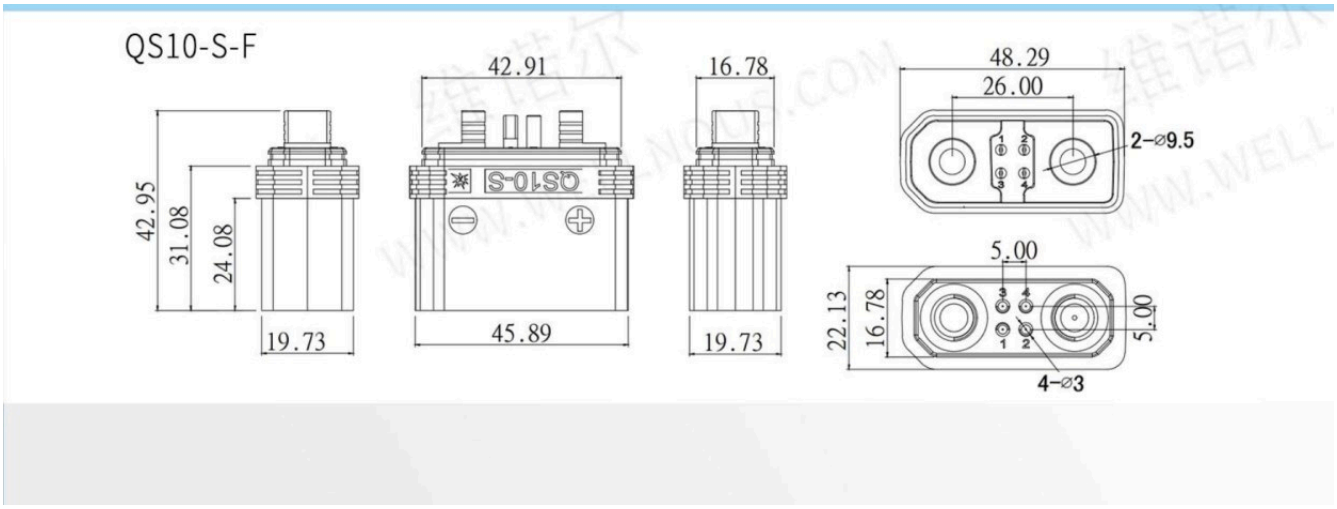


Figure 151. QS10-S Anti-spark: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

56 QS10P-L Anti-spark

Source page 57 of the Chinese edition. RC model plug

56.1 Product description

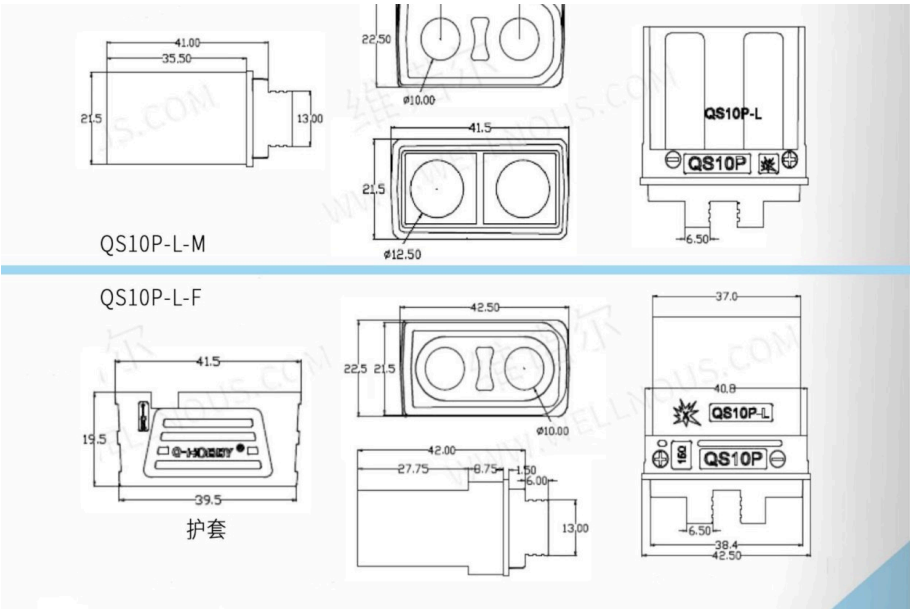


Figure 152. QS10P-L Anti-spark: product views

56.2 QS10P-U Anti-spark

ENGLISH

Rated current: 210A; Instantaneous current: 270A; Rated voltage: DC 500V; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 4AWG~8AWG; Mating cycles: 1000 times.

Item	Value
Product parameters	
Rated current	210A
Instantaneous current	270A
Rated voltage	DC 500V
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	4AWG~8AWG
Mating cycles	1000 times

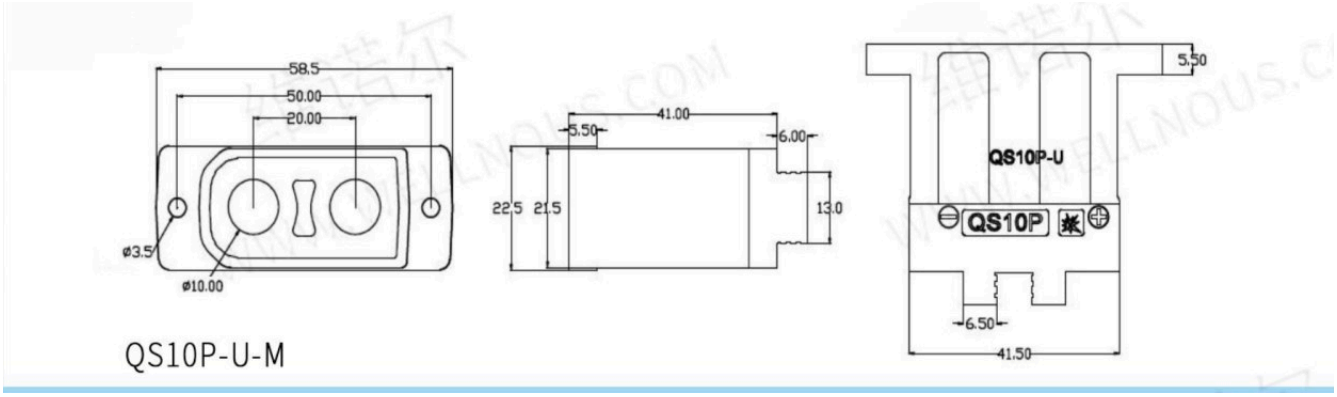


Figure 153. QS10P-U Anti-spark: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

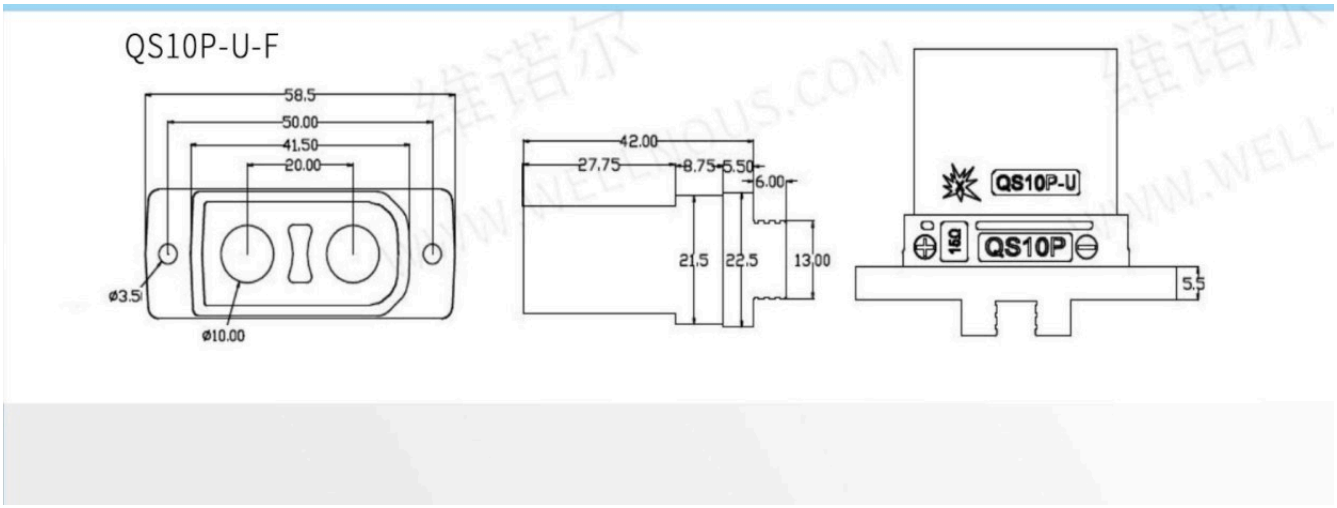


Figure 154. QS10P-U Anti-spark: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

57 QS10P-S Anti-spark

Source page 58 of the Chinese edition. RC model plug

57.1 Product description

ENGLISH

Rated current: 210A; Instantaneous current: 270A; Rated voltage: DC 500V; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 4AWG~8AWG; Mating cycles: 1000 times.

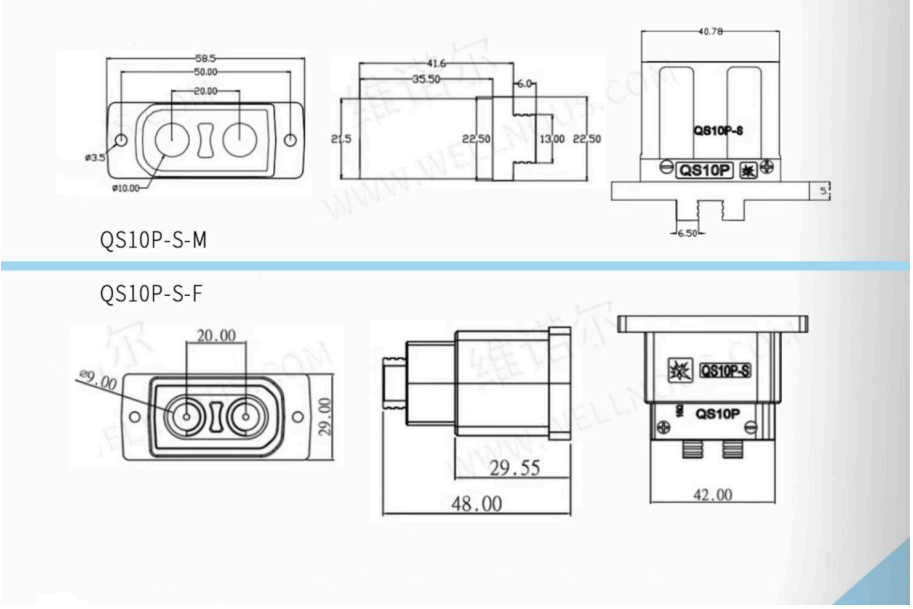


Figure 155. QS10P-S Anti-spark: product views

57.2 Technical data

Item	Value
Product parameters	
Rated current	210A
Instantaneous current	270A
Rated voltage	DC 500V
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	4AWG~8AWG
Mating cycles	1000 times

57.3 QS12 Anti-spark

ENGLISH

Rated current: 250A; Instantaneous current: 320A; Rated voltage: DC 500V; Communication interface: 4; Insulation material: PA66; Metal parts material: Gold-plated brass; Operating temperature: -20℃ ~ 120℃; Flame retardant rating: UL94-V0; Recommended wire gauge: 2AWG~4AWG; Mating cycles: 1000 times.

Item	Value
Product parameters	
Rated current	250A
Instantaneous current	320A
Rated voltage	DC 500V
Communication interface	4
Insulation material	PA66
Metal parts material	Gold-plated brass
Operating temperature	-20℃ ~ 120℃
Flame retardant rating	UL94-V0
Recommended wire gauge	2AWG~4AWG
Mating cycles	1000 times

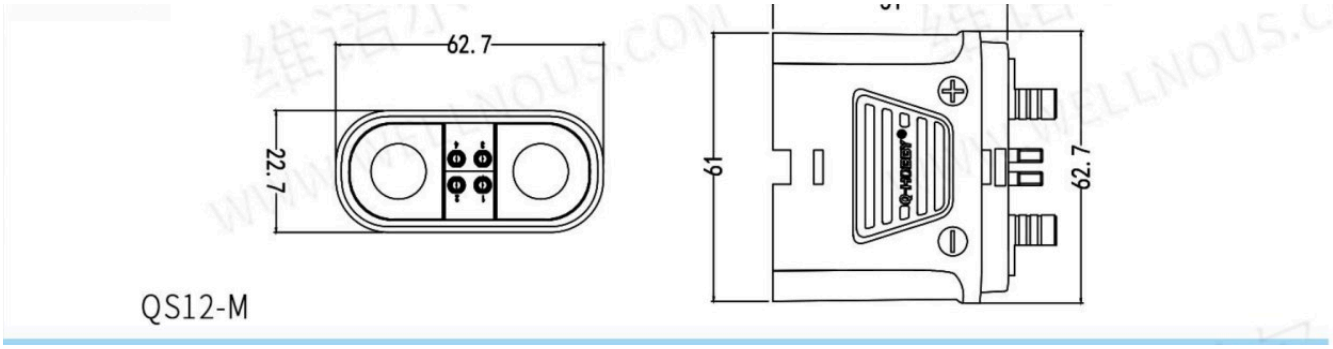


Figure 156. QS12 Anti-spark: product views (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

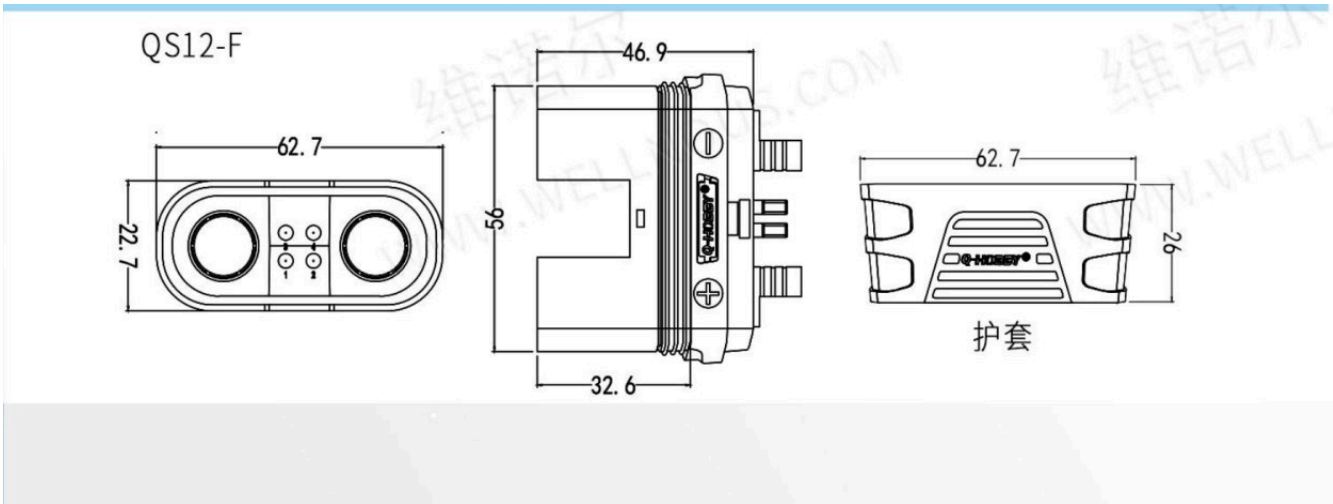


Figure 157. QS12 Anti-spark: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

58 Metal Push Button Switch Series

Source page 59 of the Chinese edition.

58.1 Product description

ENGLISH

Mounting hole size: 12/16/19/22/25/28/30mm; Head type: High head / flat head / domed; Terminal type: Screw terminal / solder terminal; Operation type: Momentary / latching; Illumination type: Non-illuminated / power symbol lamp / ring lamp / ring power lamp / dot lamp, etc., customizable.



Figure 158. Metal Push Button Switch Series: product views

58.2 Technical data

Item	Value
Product parameters	
Mounting hole size	12/16/19/22/25/28/30mm
Head type	High head / flat head / domed
Terminal type	Screw terminal / solder terminal
Operation type	Momentary / latching
Illumination type	Non-illuminated / power symbol lamp / ring lamp / ring power lamp / dot lamp, etc., customizable

58.3 Dimensions

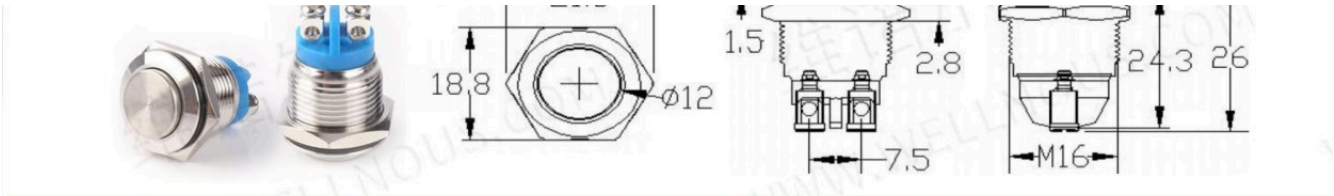


Figure 159. Metal Push Button Switch Series: outline and mounting dimensions (1/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

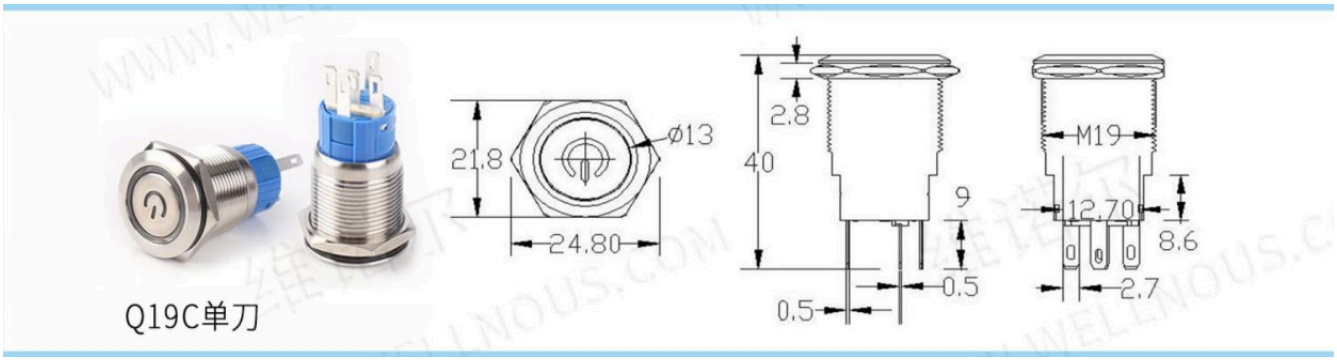


Figure 160. Metal Push Button Switch Series: outline and mounting dimensions (2/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

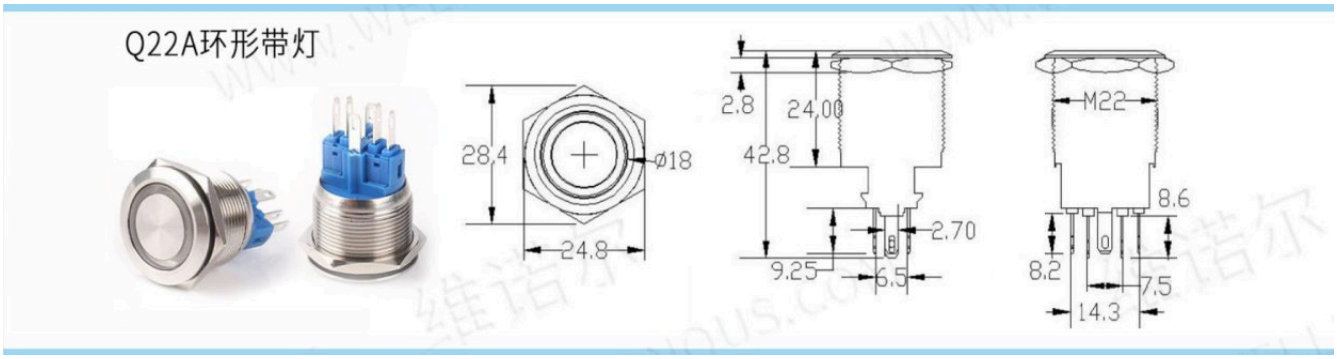


Figure 161. Metal Push Button Switch Series: outline and mounting dimensions (3/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

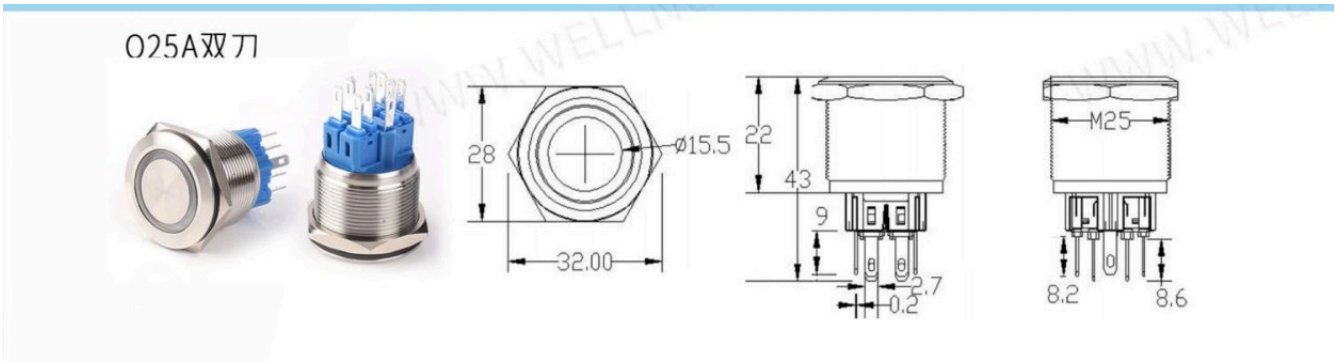


Figure 162. Metal Push Button Switch Series: outline and mounting dimensions (4/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

59 KCD1 Series

Source page 60 of the Chinese edition. Rocker switch

59.1 Product description

ENGLISH

1. Ambient temperature: -25~70℃; 2. Rated load: AC125V 10A / AC250V 6A; 3. Relative humidity: (40℃) ≤95%; 4. Withstand voltage: AC 500V 50Hz/1min; 5. Contact resistance: ≤0.05Ω; 6. Insulation resistance: ≥100MΩ; 7. Electrical life: 10000 times.



Figure 163. KCD1 Series: product views

59.2 Technical data

Item	Value
Main technical specifications	
1. Ambient temperature: -25~70℃	
2. Rated load: AC125V 10A / AC250V 6A	
3. Relative humidity: (40℃) ≤95%	
4. Withstand voltage: AC 500V 50Hz/1min	
5. Contact resistance: ≤0.05Ω	
6. Insulation resistance: ≥100MΩ	
7. Electrical life: 10000 times	

59.3 Dimensions

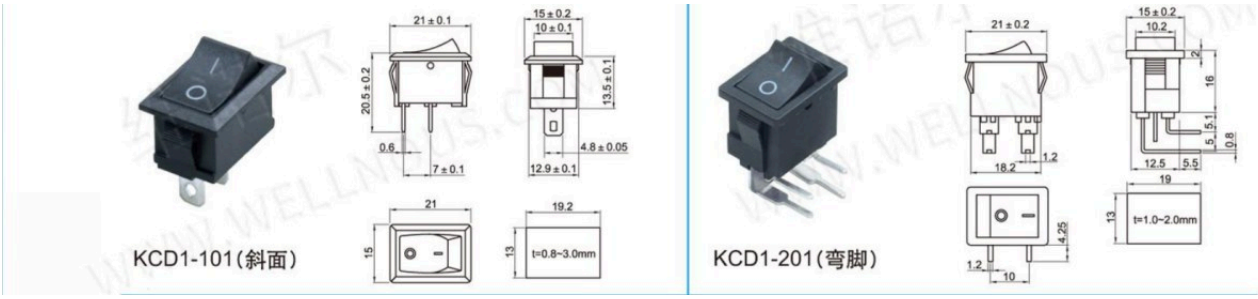


Figure 164. KCD1 Series: outline and mounting dimensions (1/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

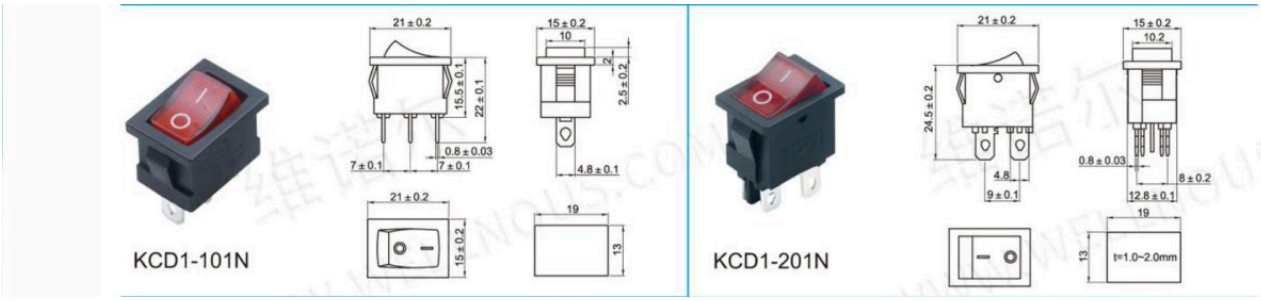


Figure 165. KCD1 Series: outline and mounting dimensions (2/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]



Figure 166. KCD1 Series: outline and mounting dimensions (3/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

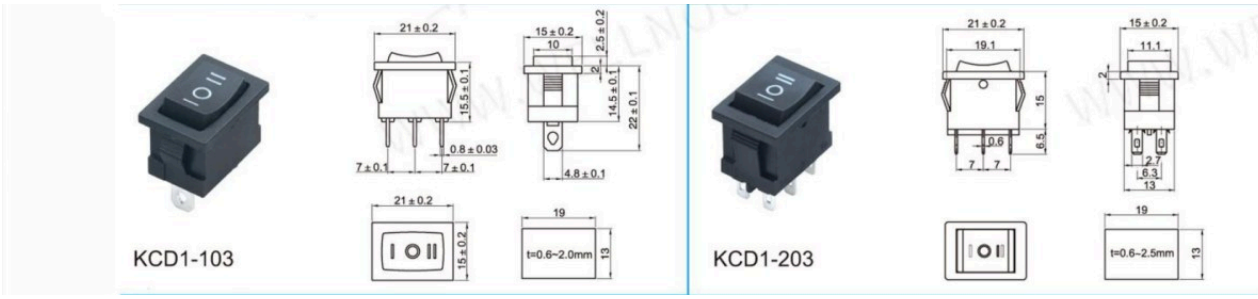


Figure 167. KCD1 Series: outline and mounting dimensions (4/4)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

60 KCD4 Series

Source page 61 of the Chinese edition. Rocker switch

60.1 Product description

ENGLISH

1. Ambient temperature: -25~70℃; 2. Rated load: AC125V 20A AC250V 15A; 3. Relative humidity: (40℃) ≤95%; 4. Withstand voltage: AC 500V 50Hz/1min; 5. Contact resistance: ≤0.05Ω; 6. Insulation resistance: ≥100MΩ; 7. Electrical life: 10000 times.



Figure 168. KCD4 Series: product views

60.2 Technical data

Item	Value
Main technical specifications	
1. Ambient temperature: -25~70℃	
2. Rated load: AC125V 20A AC250V 15A	
3. Relative humidity: (40℃) ≤95%	
4. Withstand voltage: AC 500V 50Hz/1min	
5. Contact resistance: ≤0.05Ω	
6. Insulation resistance: ≥100MΩ	
7. Electrical life: 10000 times	

60.3 **Dimensions**

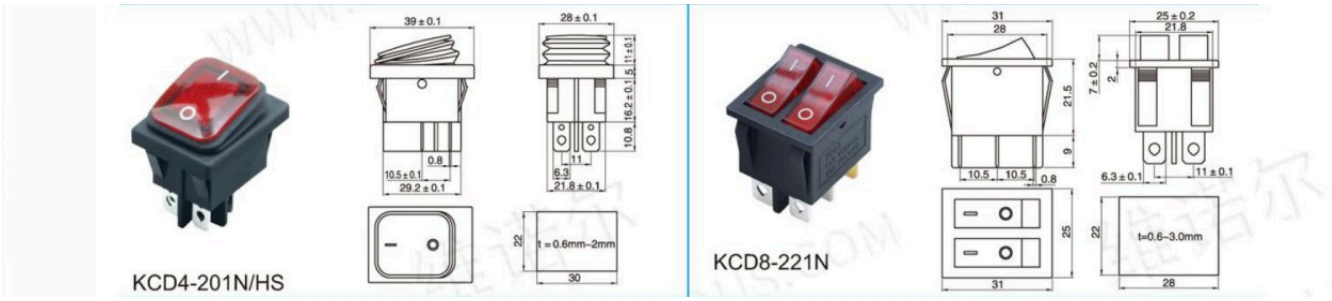


Figure 169. KCD4 Series: outline and mounting dimensions (1/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

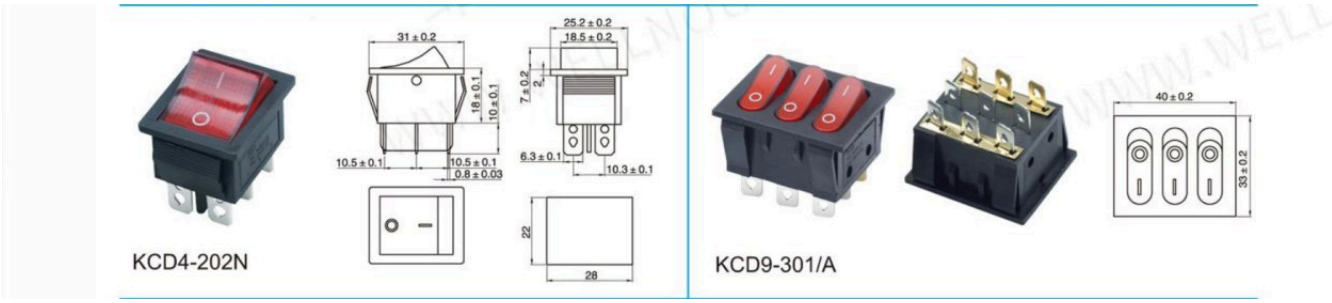


Figure 170. KCD4 Series: outline and mounting dimensions (2/2)

[Note: Original Chinese annotations retained to preserve diagram integrity.]

61 AC-2+6 Series AC Power Socket

Source page 62 of the Chinese edition. AC mains power socket

61.1 Product description

ENGLISH

Rated current: 40A, small pin current 5A; Withstand voltage: ≤72V; Insulation resistance: ≥500mΩ; Initial contact resistance: ≤10mΩ; Operating temperature: -15°C~65°C; Relative humidity: ≤98% (40°C); Mechanical life: 3000 cycles.

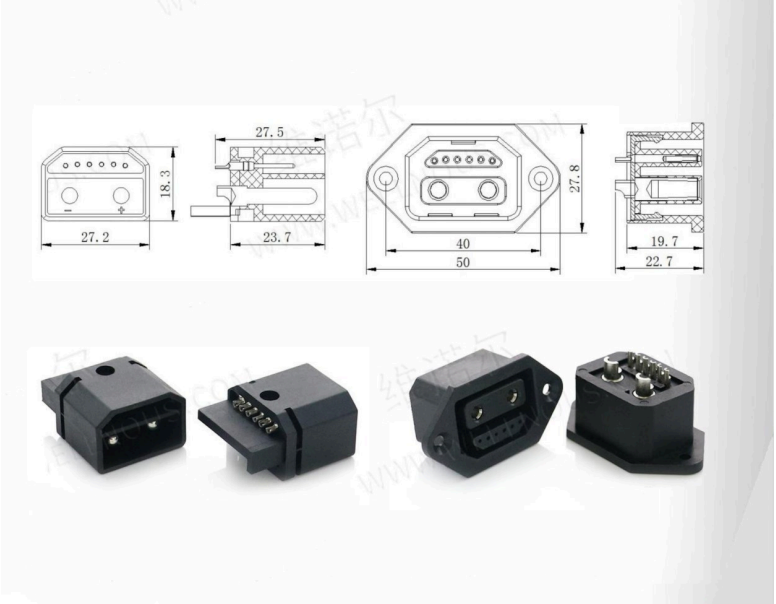


Figure 171. AC-2+6 Series AC Power Socket: product views

61.2 Technical data

Item	Value
Main technical data	
Rated current	40A, small pin current 5A
Withstand voltage	≤72V
Insulation resistance	≥500mΩ
Initial contact resistance	≤10mΩ
Operating temperature	-15°C~65°C
Relative humidity	≤98% (40°C)
Mechanical life	3000 cycles

61.3 AC Power Socket Series

ENGLISH

Operating temperature: -40~85°C; Withstand voltage: AC 1500V (50Hz)/min; Rated load: 10A 250V AC; Insertion / extraction force: 3~20N; Contact resistance: ≤0.03Ω; Insulation resistance: ≥100MΩ; Dielectric strength: ≥2000V AC/min; Electrical life: ≥10,000 cycles.

Item	Value
Main technical data	
Operating temperature	-40~85°C

Item	Value
Withstand voltage	AC 1500V (50Hz)/min
Rated load	10A 250V AC
Insertion / extraction force	3~20N
Contact resistance	≤0.03Ω
Insulation resistance	≥100MΩ
Dielectric strength	≥2000V AC/min
Electrical life	≥10,000 cycles

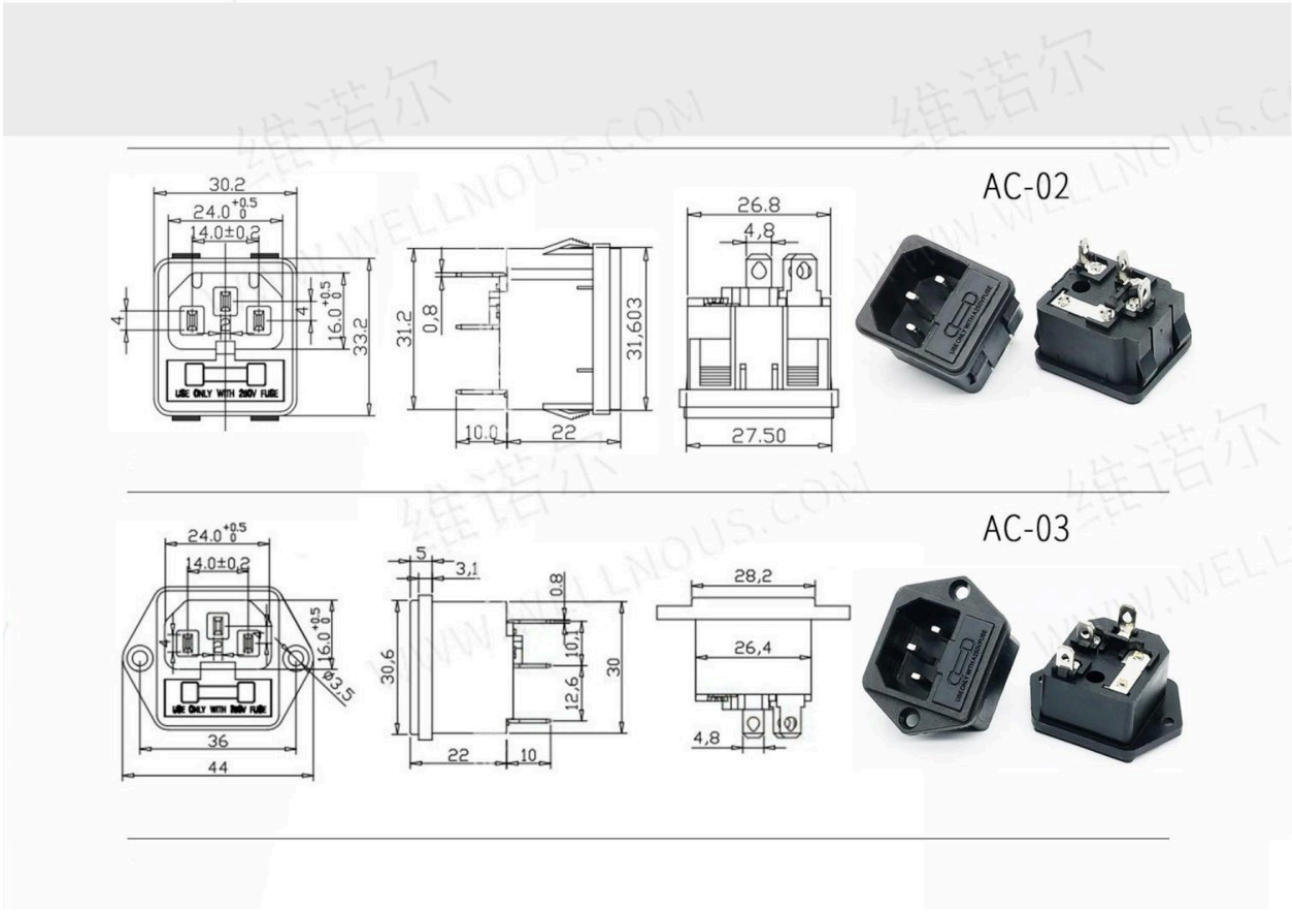


Figure 172. AC Power Socket Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

62 AC Power Socket Series

Source page 63 of the Chinese edition. AC mains sockets, panel mount

62.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

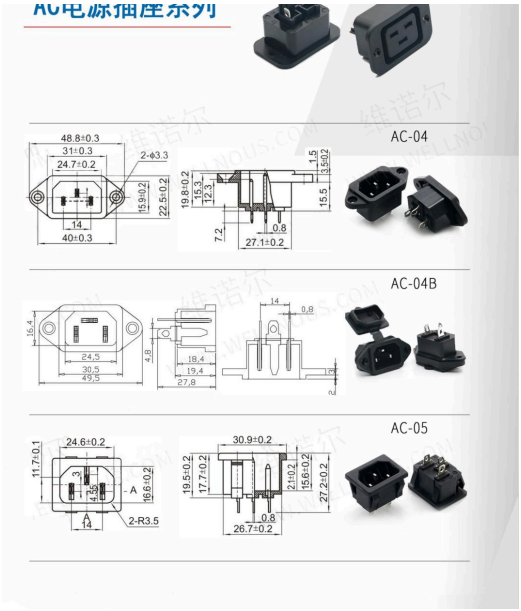


Figure 173. AC Power Socket Series: product views

62.2 AC Power Socket Series — AC-06 / AC-07 / AC-222

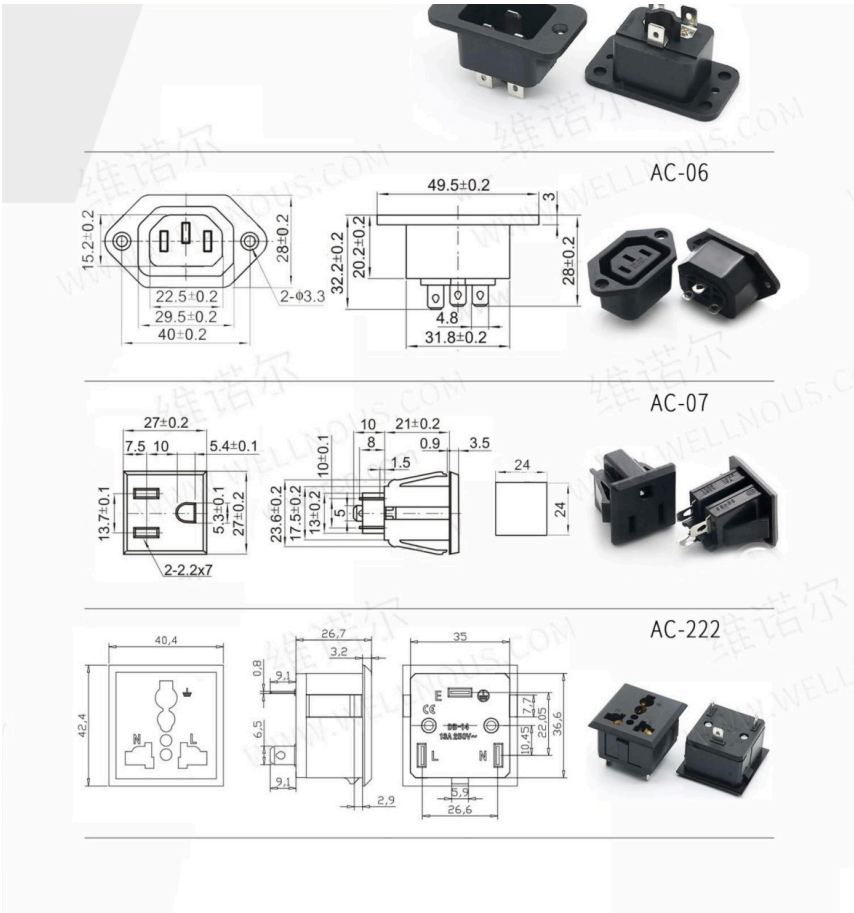


Figure 174. AC Power Socket Series — AC-06 / AC-07 / AC-222: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

63 DC Power Socket Series

Source page 64 of the Chinese edition. DC power sockets, SMT and DIP

63.1 Product description

ENGLISH

Ambient temperature: -30~70°C; Rated load: 30V DC 0.5A; Contact resistance: ≤0.03Ω; Insulation resistance: ≥100MΩ; Withstand voltage: AC500V (50Hz)/min; Insertion / extraction force: 3~20N; Life: 5000 cycles; Center pin specification: 1.0/1.3/1.65/2.0/2.5/3.0mm; Package type: SMT patch mounting, DIP plug-in mounting.



Figure 175. DC Power Socket Series: product views

63.2 Technical data

Item	Value
Main technical data	
Ambient temperature	-30~70°C
Rated load	30V DC 0.5A
Contact resistance	≤0.03Ω
Insulation resistance	≥100MΩ
Withstand voltage	AC500V (50Hz)/min
Insertion / extraction force	3~20N
Life	5000 cycles
Center pin specification	1.0/1.3/1.65/2.0/2.5/3.0mm
Package type	SMT patch mounting, DIP plug-in mounting

63.3 **Dimensions**

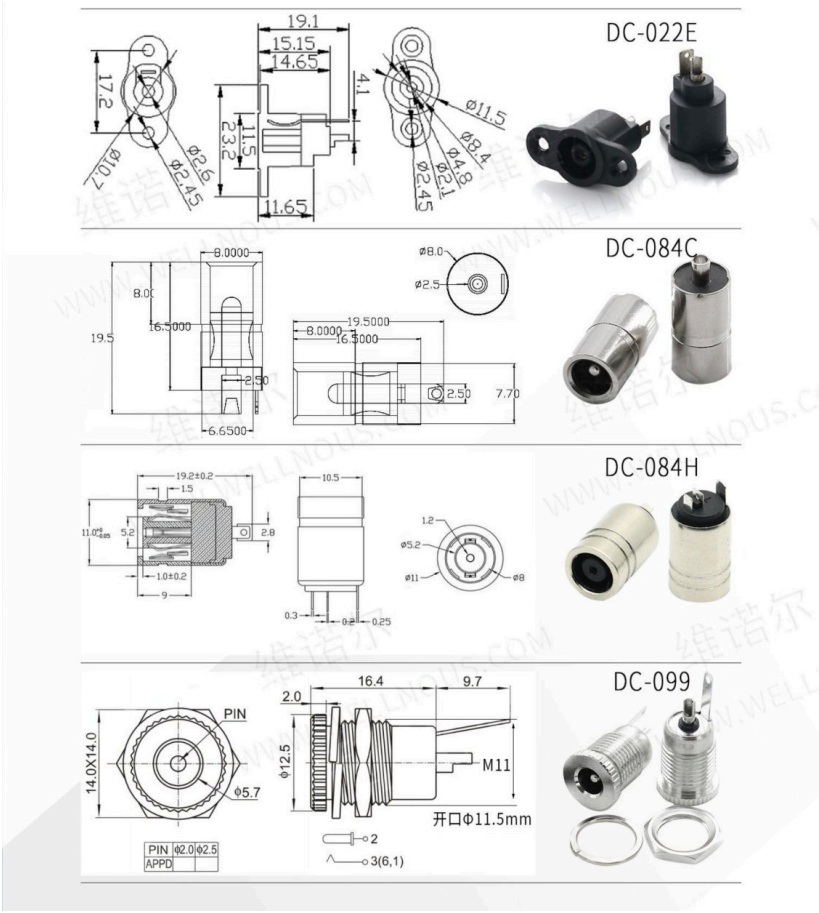


Figure 176. DC Power Socket Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

64 Pin-Type 2+4 Series

Source page 65 of the Chinese edition. EV charging male and female socket

64.1 Product description

ENGLISH

Instantaneous current: 50A; Rated current: 40A; Rated voltage: DC500V; Contact resistance: 5mΩ max; Insulation impedance: 1000Ω; Operating temperature: -20~65°C; Life: 5000 cycles.

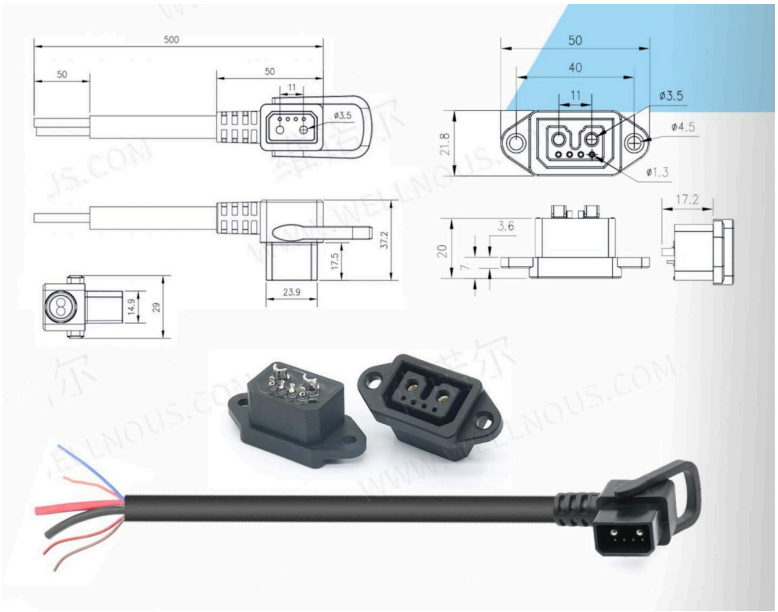


Figure 177. Pin-Type 2+4 Series: product views

64.2 Technical data

Item	Value
Main technical data	
Instantaneous current	50A
Rated current	40A
Rated voltage	DC500V
Contact resistance	5mΩ max
Insulation impedance	1000Ω
Operating temperature	-20~65°C
Life	5000 cycles

64.3 **Xiaomi 2+4 Series**



Figure 178. Xiaomi 2+4 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

65 QC2+4 Square Series

Source page 66 of the Chinese edition. 2+4-pin square high-current connector

65.1 Product description

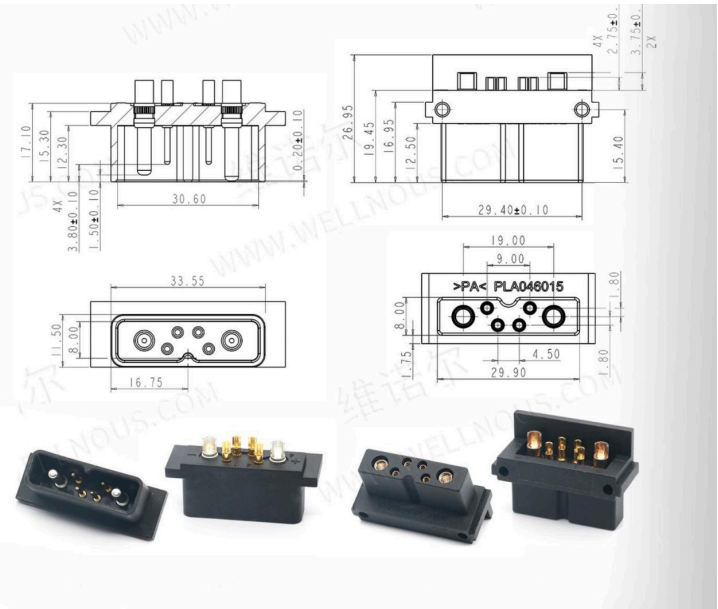


Figure 179. QC2+4 Square Series: product views

65.2 QC2+4 Round Series

ENGLISH

Withstand voltage: 1500V/min AC; Insulation: >100mΩ 500V DC; Mating impedance: <10mΩ; Large pin pull-out force: >22kg; Small pin pull-out force: >12kg; Insertion / extraction force: more than 4.5kg, less than 10kg.

Item	Value
Main technical data	
Withstand voltage	1500V/min AC
Insulation	>100mΩ 500V DC
Mating impedance	<10mΩ
Large pin pull-out force	>22kg
Small pin pull-out force	>12kg
Insertion / extraction force	more than 4.5kg, less than 10kg

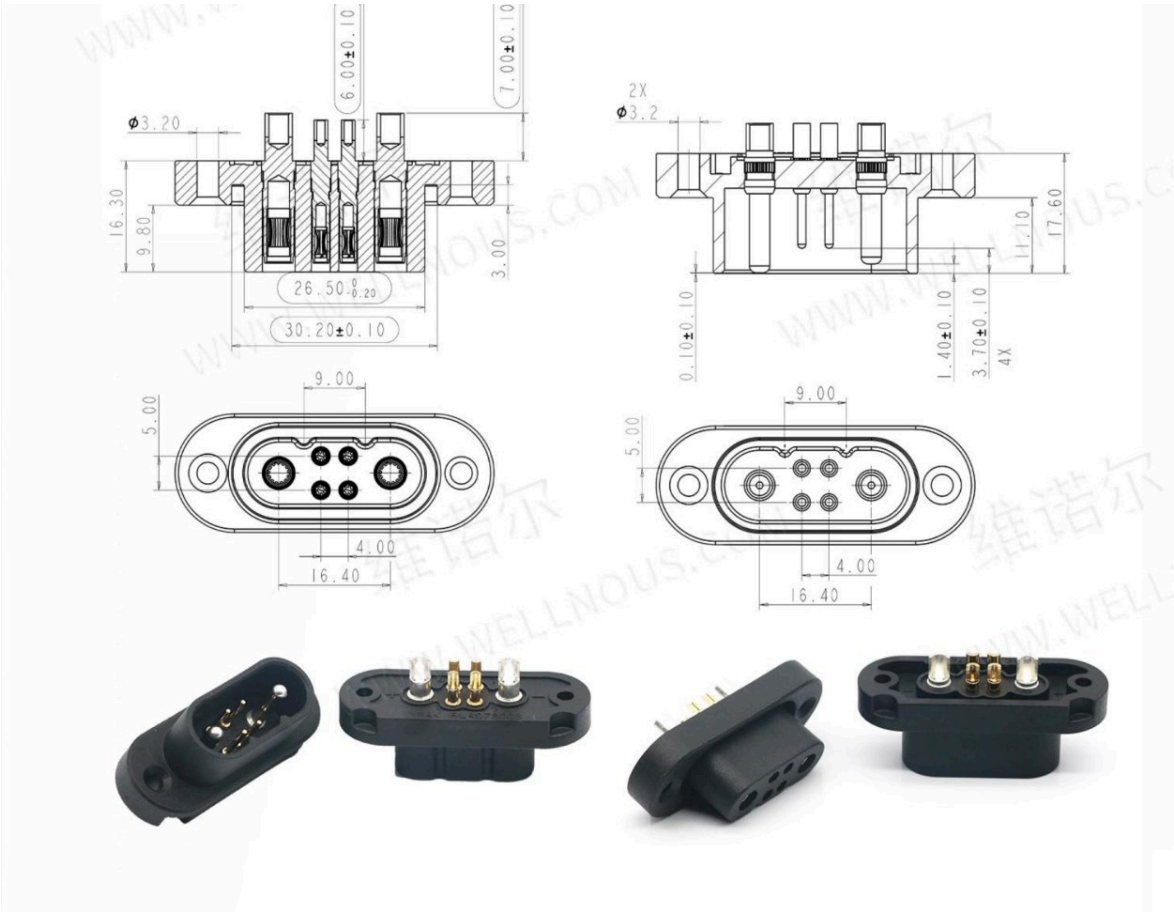


Figure 180. QC2+4 Round Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

66 PWB-04P Series

Source page 67 of the Chinese edition. 4-pin blade power connector

66.1 Product description

ENGLISH

Pin withdrawal force: 15KG; Salt spray: 48A; Compliance: ROHS.

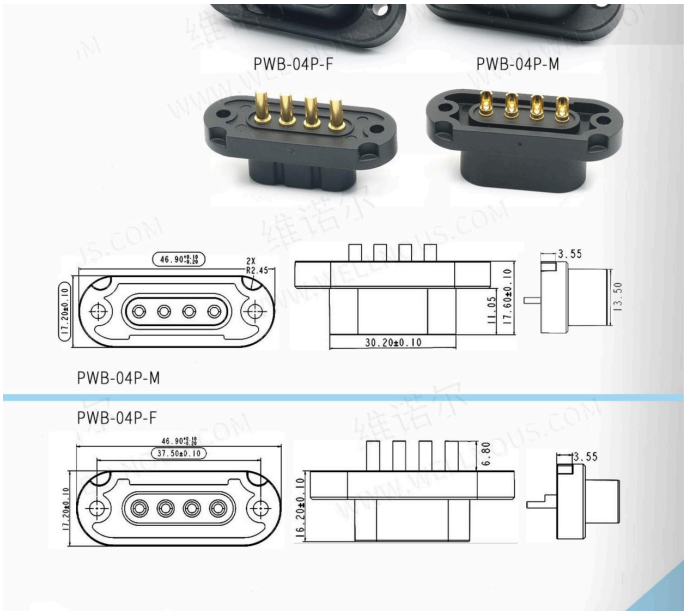


Figure 181. PWB-04P Series: product views

66.2 Technical data

Item	Value
Main technical data	
Pin withdrawal force	15KG
Salt spray	48A
Compliance	ROHS

66.3 **XNY-6+8 Series**

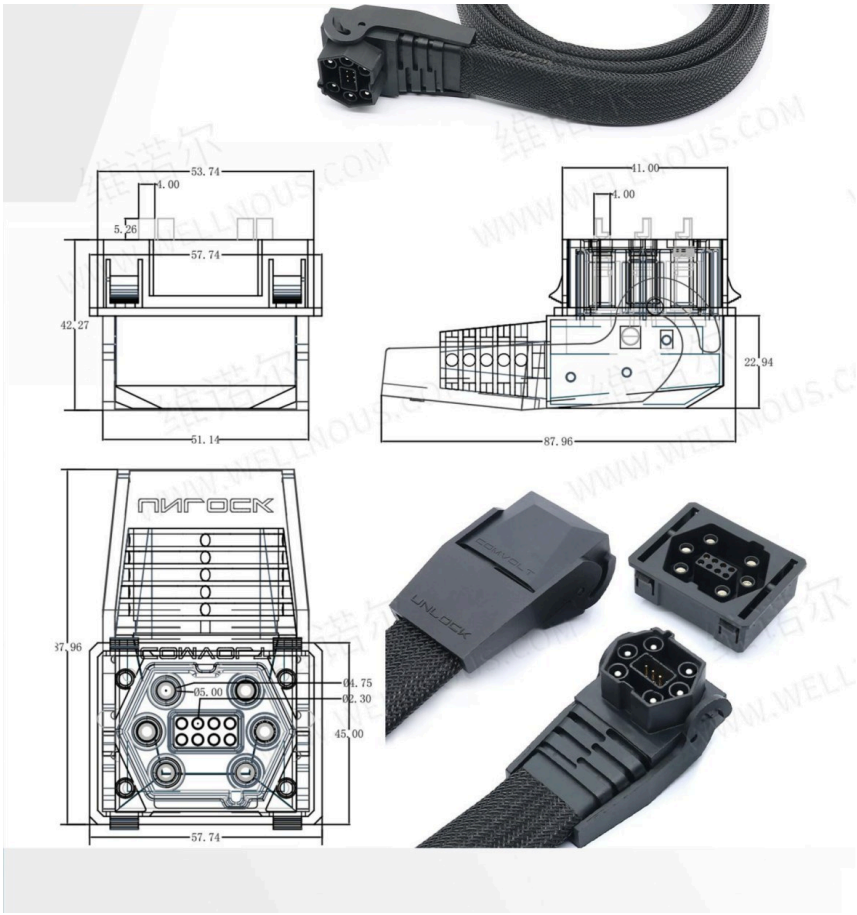


Figure 182. XNY-6+8 Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

67 Magnetic Connector Series

Source page 68 of the Chinese edition. for electric vehicles

67.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.

ENGLISH

cx-13mm-M 10A high current; cx-13mm-F 10A high current; cx13-15mm-M 10A high current; cx13-15mm-F 10A high current; cx-13mm-M silver cable 10A; cx-13mm-F silver cable 10A; Magnetic 2+4 male to GX12-5P female; Magnetic 2+4 female to GX12-5P male; cx2+4-y1 15A 24V; cx2+4-y2 15A 24V; cx2+4-y3 15A 24V; cx2+4-y4 15A 24V; cx2+4-f1 5A 24V; cx2+4-f2 5A 24V; cxfs-27mmjg-m1 military waterproof magnetic 18A 24V; cxfs-27mmjg-f1 military waterproof magnetic 18A 24V; cxfs-27mmjg-m3 18A 24V; cxfs-27mmjg-f3 overmolded 18A 24V.

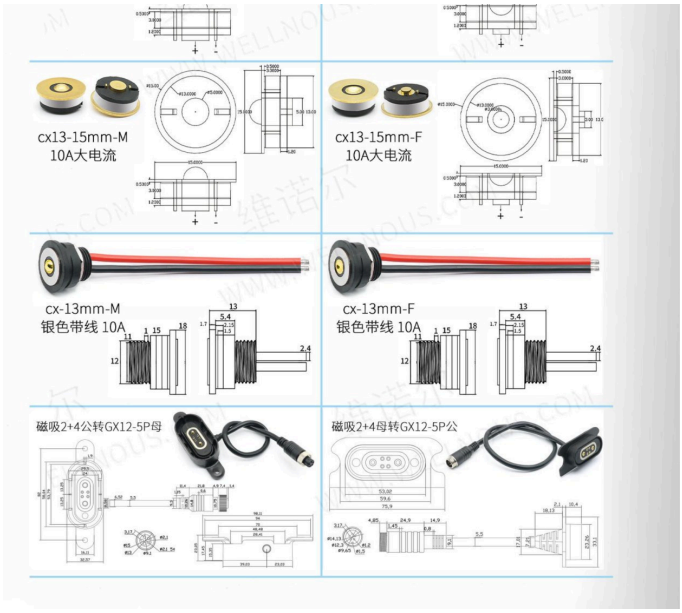


Figure 183. Magnetic Connector Series: product views

67.2 Technical data

Item	Value
cx-13mm-M 10A high current	
cx-13mm-F 10A high current	
cx13-15mm-M 10A high current	
cx13-15mm-F 10A high current	
cx-13mm-M silver cable 10A	
cx-13mm-F silver cable 10A	
Magnetic 2+4 male to GX12-5P female	
Magnetic 2+4 female to GX12-5P male	
cx2+4-y1 15A 24V	
cx2+4-y2 15A 24V	
cx2+4-y3 15A 24V	
cx2+4-y4 15A 24V	
cx2+4-f1 5A 24V	
cx2+4-f2 5A 24V	

Item	Value
cxfs-27mmjg-m1 military waterproof magnetic 18A 24V	
cxfs-27mmjg-f1 military waterproof magnetic 18A 24V	
cxfs-27mmjg-m3 18A 24V	
cxfs-27mmjg-f3 overmolded 18A 24V	

67.3 Dimensions



Figure 184. Magnetic Connector Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

68 Blade Connector Series

Source page 69 of the Chinese edition. 5mm pitch, 6-pin blade connector

68.1 Product description

ENGLISH

Pitch: 5mm; Pin count: 6PIN.

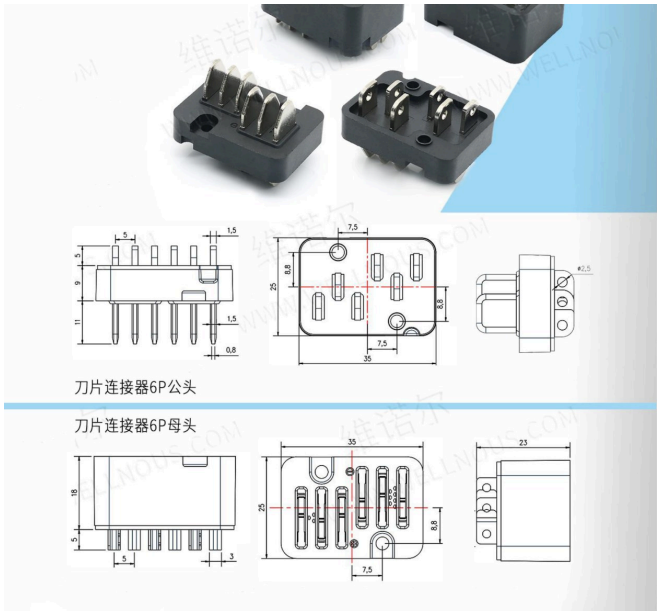


Figure 185. Blade Connector Series: product views

68.2 Technical data

Item	Value
Main technical data	
Pitch	5mm
Pin count	6PIN

68.3 Charging Gun Adapter Series



Figure 186. Charging Gun Adapter Series: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]

69 Energy Storage Connector Series

Source page 70 of the Chinese edition. energy storage connectors

69.1 Product description

The original prints this series as a table image; it is reproduced complete in the figure below.



Figure 187. Energy Storage Connector Series: product views

69.2 Energy Storage Connector Series — Plugs and Receptacles



Figure 188. Energy Storage Connector Series — Plugs and Receptacles: outline and mounting dimensions

[Note: Original Chinese annotations retained to preserve diagram integrity.]