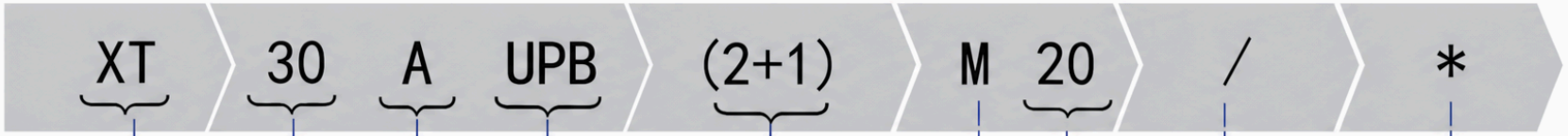
Model Description of Amass Products



Product Series:
XT, MT,
MR, SH....

Product Specification:
30, 60,
90, 150...

Lantern Spring Contact

Insulator Specification:
PB, PM, PT.....

Contact Arrangement:
(2+1), (2+2) ...

Connector Gender:
-F=Female (Socket)
-M=Male (Plug)

Solder Tail Specification:
2mm, 3mm

Contact Plating:
G=Gold Plated,
N=Nickel Plated...

Product Color:
Y=Yellow,
B=Black....

Amass Product Specification

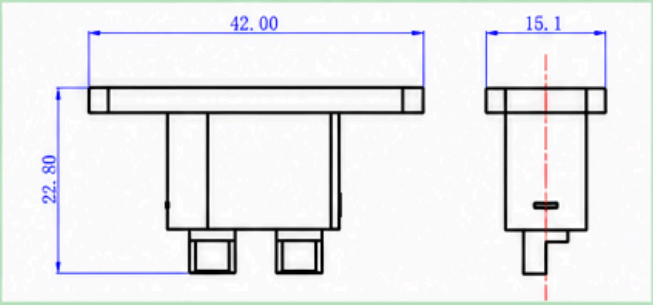
1. Product Description

Amass's classic product series 90, the male and female parts, with a fixed board added to the base of the original product.

2. Application Modules

☑ Battery ☐ Motor ☐ Controller ☐ Charger ☐ Others

3. Product Diagram

Model	Product Diagram	Outline Drawing
XT90E-M. G. B		

4. Specifications

Material	Specification	Plating	Plating Thickness
Metal Parts	H59-1	G: Gold	0. 03μm
Material	**Specification**	**Color**	**Flammability Rating**
Shell	PBT	B: Black	UL94-V0

5. Performance

Electrical Performance	Test Method	Characteristics
Rated Voltage	UL1977	DC 500V
Rated Current	UL1977	30A 12#
Contact Resistance	GB/T5095. 2	0. 40mΩ
Insulation Resistance	GB/T5095. 2	2000MΩ
Withstanding Voltage	&A 1min <80℃	60A 12#
Temperature Rise	UL1977	30A 4h <60℃ 12#
Insertion and Withdrawal Force	GB/T2900. 18	1. 20mm
Mechanical Performance	**Standard**	**Characteristics**
Insertion Force	GB/T5095. 8	3. 5kg-6. 5kg
Withdrawal Force	GB/T5095. 8	3. 5kg-6. 5kg
Durability	GB/T5095. 1	100 times
Protection Class	GB/T4208	IP40
Environmental Performance	**Standard**	**Characteristics**
Operating Temperature	GB/T 2423. 3	-20℃ to 120℃
Salt Spray	GB/T 2423. 17	48h

6. Wiring Recommendation

AWG	Temperature Rise 60℃	Temperature Rise 85℃
8#	55A	60A
10#	50A	55A
12#	45A	50A

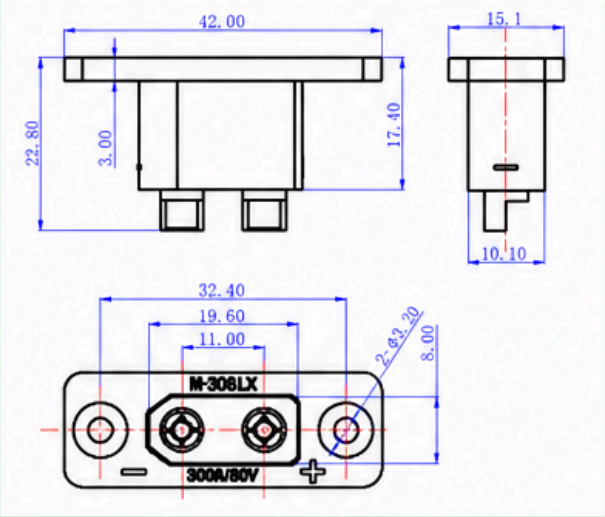
7. Options

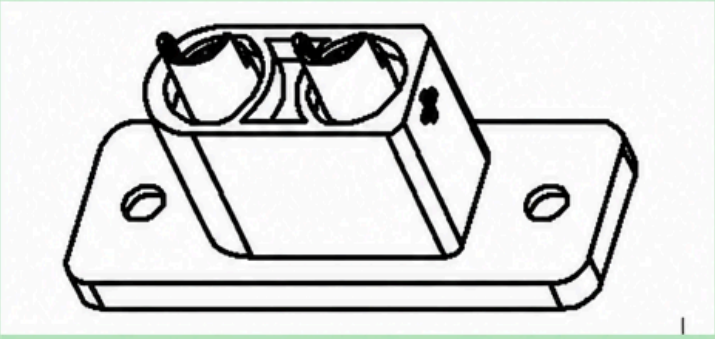
☐ With Cover ☐ With Buckle ☐ Waterproof ☐ Fireproof

8. Certifications

☐ UL: ☐ CE: ☑ RoHS 2.0 ☐ Reach

9. Installation Recommendations





Note:

When in use, do not exceed the specified current and voltage.



- Excessive current and voltage can cause malfunctions and accidents.
- If the connector is used while disconnected, inserting the connector will cause malfunctions and accidents. Therefore, please insert the connector when the power is off.

Do not use the connector while under external force.



- Do not use the connector while it is under the stress of wiring or external force. Damage may occur, leading to malfunctions and accidents. Therefore, please use it in this condition.
- The connector is a precision electrical component. Therefore, do not use it as a structural component of the enclosure or other structures.

Use in an appropriate environment.



- Do not use in environments that are high or low in temperature and humidity.
- Do not use in environments other than those specified in the specifications, as this may cause malfunctions and accidents. Therefore, please use it in this condition.

Handle with care.



- The connector is a precision component; please handle it with care during use.
- When opening the package, please handle it with care. Even if it is packaged with a carrier or in this type of packaging, it may still be subject to strong impact and may cause deformation, bending, or breakage of the terminals.

Prepared by: Reviewed by: Approved by: