

Explosion proof plug and socket

15A~300A series non-spark explosion-proof plug and socket is suitable for petroleum exploration, drilling electric control and other electric apparatuses. Which meet the standard IEC60079-15:2010 and GB3836.8-2003<Electrical apparatus for explosive gas atmosphere part 8: Type of protection 'n'>.

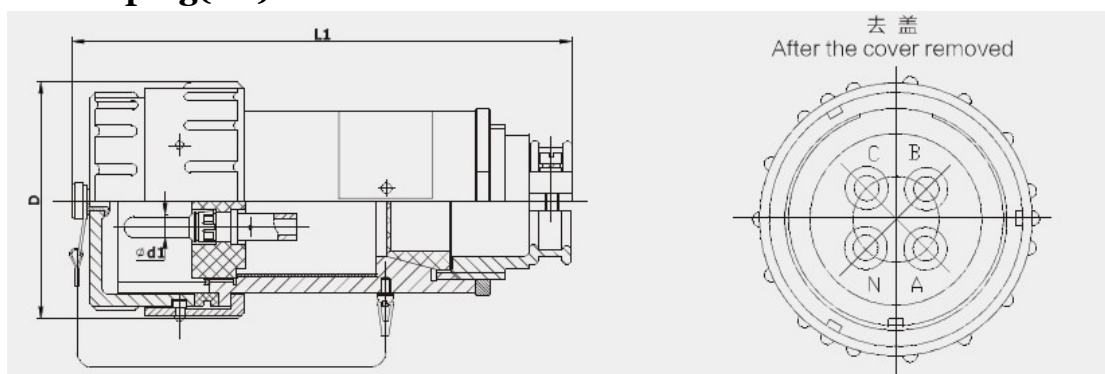
CQST Certified-examined and tested for qualification by China National Quality Supervision and Test Center for Explosion Protected Electric Products (CQST) and obtained the explosion proof certificate. Ex mark : Ex nA II T4.

Three kind of options are made available for socket.

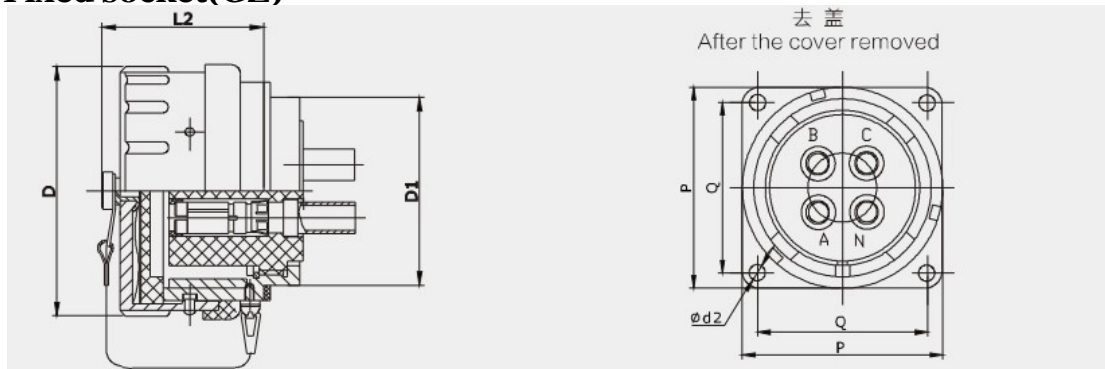
1/Fixed socket(GZ),2/Mobile socket(YZ),3/Tilt type socket(XGZ).The tilt-type fixed socket is specifically designed for the internal and external electrical connections of mobile house. This product is normally installed on the upper edge of house body to ensure convenient, safe and reliable applications.

Outline and installation dimensions

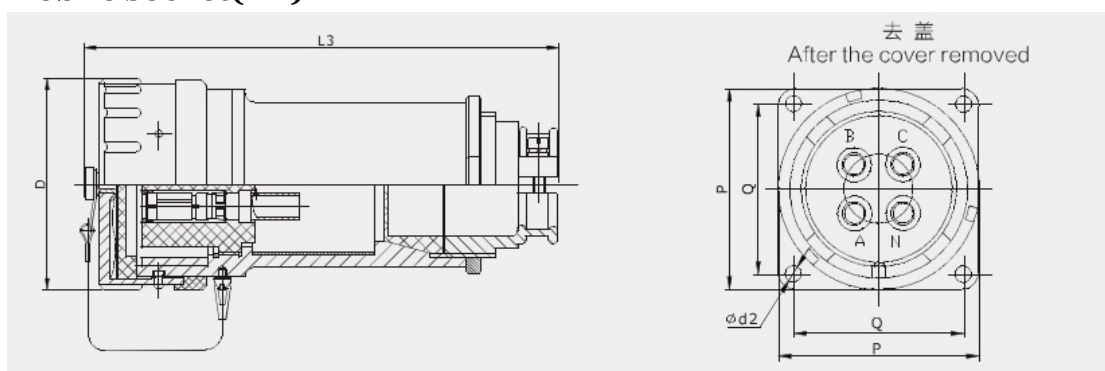
a. Mobile plug(YT)



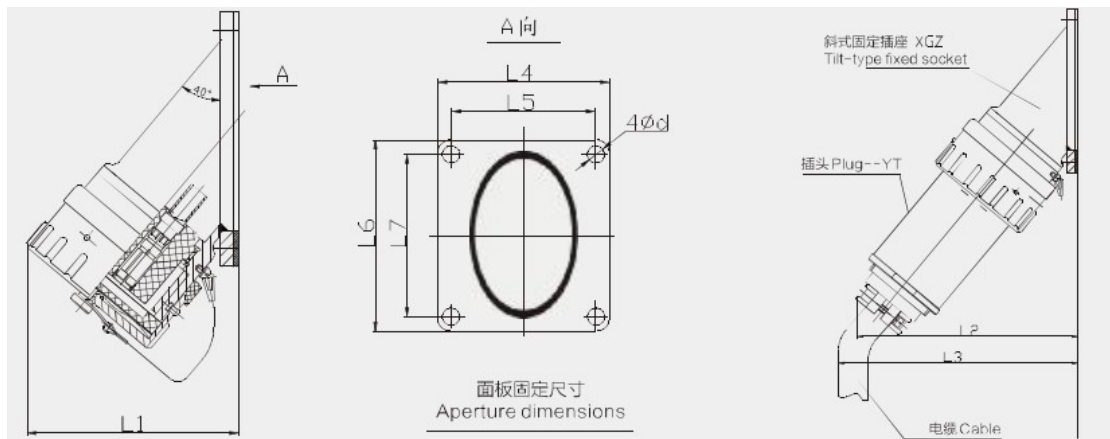
b. Fixed socket(GZ)



c. Mobile socket(YZ)



d. Tilt type socket(XGZ)



Benefits

- ◇Rugged: All components have aluminum housing
- ◇Minimal heat build-up
- ◇Energy saving
- ◇Low maintenance costs
- ◇Perfect function over 500 mating operations
- ◇Longer product life

Main technical features

Explosion-proof Sign	Ex n A II T4 Gc
Intended use	Can be used in zone 2
Ambient Temperature	-40°~60°
Working Voltage	500V
Working Current	15A/25A/60A/100A/150A/200A
With standing Voltage	2800V (1Min)
Protection Degree	IP54
Connection type	Crimp
Contact number	3-pins, 4-pins, 5-pins
Life Duration	500times
Both pin and jack could be inserted in plug or socket.	

I. Operating Environment Conditions

1. Sea level altitude: 2,000m
2. Ambient temperature: -20 ~ +60
3. Relative humidity: <95% (25)
4. Oscillation: Oscillating acceleration is 7g when the oscillating frequency is 50HZ for two hours
5. Impact: Impact energy E (J) =7

II. Main Technical Specifications

1. Rated operating voltage: 500V AC50~400Hz
2. Rated operating current: 15A, 25A, 60A, 100A, 150A, 200A,300A
3. Insulating resistance: No more than 100 M under normal condition no more than 5M after wet heated
4. Contact resistance: <0.5m
5. Withstand voltage: 2,800V 50HZ under normal state
6. Min. electric gap is 5mm; Min. Creepage distance is 7.1mm
7. Temperature rise: 65
8. Case protection grade: Ip54
9. Monopole contact insertion and withdraw force: 1.5 kg f
10. Service life: 500 times of mechanized operation