

YG231 Electric connector

Apply to electrical connection in electric automotive, railway, rolling stock, urban rail transit and industry equipment.

Material information

No.	Specification	Part number	Remark
1	YGC-QS13K5TG Plug	YG231-01-00-00G	With socket
2	YGC-QS13J5ZG Receptacle	YG231-02-00-00G	With pin

Technical Parameters

1. Electrical features

Rated current: 10A;

Rated voltage: 540V AC/DC

Contact resistance: $\leq 3\text{m}\Omega$

Insulation resistance: $\geq 2000\text{M}\Omega(\text{DC } 500\pm 50\text{V})$

Withstand voltage: 1500V(50Hz,AC)

3. Working ambient

Temperature: $-55^{\circ}\text{C}\sim+125^{\circ}\text{C}$

Humidity: $\leq 95\%$ (at 40°C)

Vibration: 10Hz-55Hz, amplitude 0.66mm

Shocking: 10-40cycles/min, acceleration 250m/s^2

2. Mechanical features

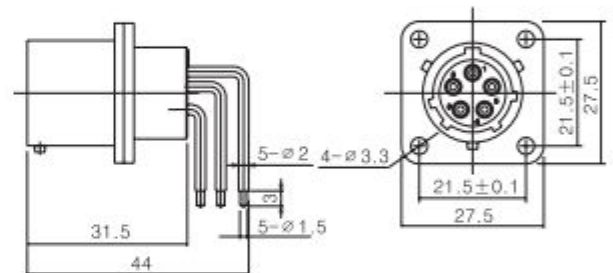
Duration: 500 cycles

Wire gauge: $1.3\sim 1.5\text{mm}^2$

Suitable cable: $\Phi 4.0\sim\Phi 8.0\text{mm}$

Protection degree: IP67

YGC-QS13J5ZG插座

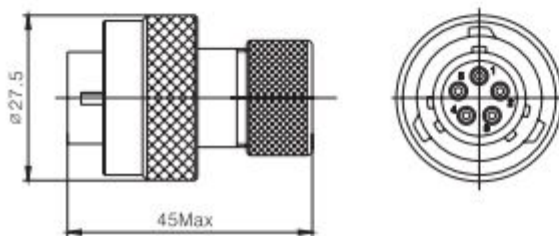


Structure features

YG231 5pin circular connector, with crimping terminal, right angle PCB soldering receptacle, quick bayonet coupling, can exchangeable with similar connector of abroad.

Overall Dimension

YGC-QS13K5TG插头



Mounting hole size for panel

Mounting hole size for PCB

