

## Specifications:

Material And Finish:

Insulator:PA66 UL94V-0

Contact:Copper alloy

Plated:Silver Plated

Wire Specifications:10/16/25mm<sup>2</sup>

Insertion force:≤75N

## Rating:

Current Rating:120 Amp

Operating Voltage:1000V DC

Operating Temperature Range:-40°~+125°C

## Electrical:

Contact resistance:0.2m Ohm Max

Insulator resistance:500MΩ Min

Withstanding Voltage:3000V AC/Minute

Protection level: IP67/UL94 V-0 after mutual matching

Temperature rise:45℃ Max

## Ordering Information

HVCN06RF-01AG-XX-XA

1 2 3 4 5 6 7 8

1:— Series No.

2:— R:Right Angle Type

3:— F:Femace

4:— No. of Positions

5:— AG:Silver Plated

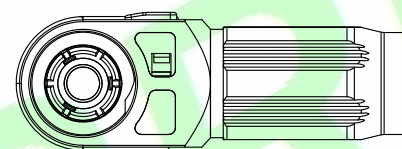
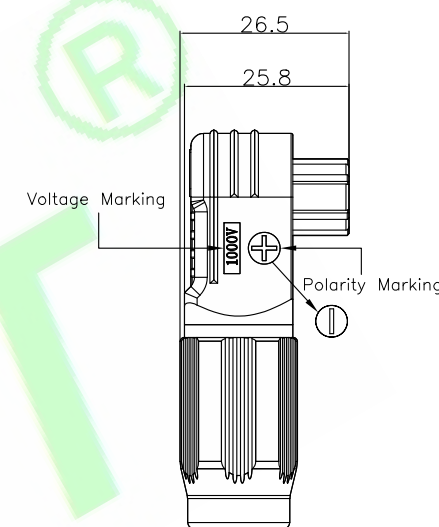
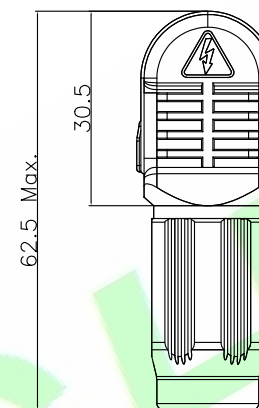
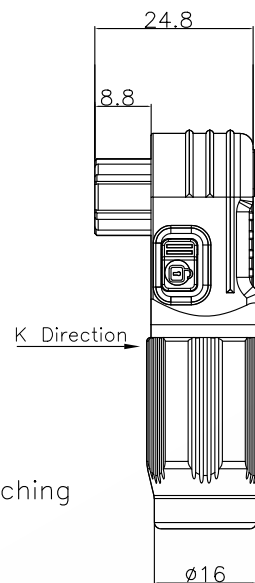
6:— 01:Connect 25MM<sup>2</sup> unshielded cable wire02:Connect 16MM<sup>2</sup> unshielded cable wire03:Connect 10MM<sup>2</sup> unshielded cable wire

7:— B:Black Cathode

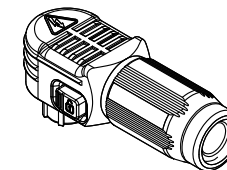
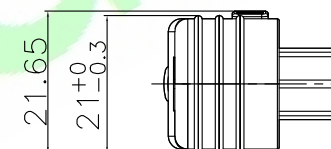
O:Orange Anode

R:Red Anode

8:— A:In Bag



K Direction View



| P/N                 | Color  | Electrode | Wire spec                                       |
|---------------------|--------|-----------|-------------------------------------------------|
| HVCN06RF-01AG-01-BA | Black  | Cathode   | Connect 25MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-02-BA |        |           | Connect 16MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-03-BA |        |           | Connect 10MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-01-OA | Orange | Anode     | Connect 25MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-02-OA |        |           | Connect 16MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-03-OA |        |           | Connect 10MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-01-RA | Red    | Anode     | Connect 25MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-02-RA |        |           | Connect 16MM <sup>2</sup> unshielded cable wire |
| HVCN06RF-01AG-03-RA |        |           | Connect 10MM <sup>2</sup> unshielded cable wire |

|                  |                    |               |
|------------------|--------------------|---------------|
| DR.BY.:<br>Jamin | GENERAL TOLERANCE: |               |
| CHKD.:<br>Mark   | LINEAR             | ANGLES        |
| APPD.:<br>Billy  | x.: ±1.00          | x': ±5.0°     |
|                  | x.xx: ±0.50        | x.xx': ±3.0°  |
|                  | x.xxx: ±0.25       | x.xxx': ±2.0° |
|                  |                    | x.xxx': ±1.0° |

PART NO : HVCN06RF-01AG-XX-XX

DWG. NO.:

TITLE : CN06 120A Plug Connector

DATE: 30-Apr-2025

**HJBRIGHT®** 东莞市華晶電子有限公司  
BRIGHT-E ELECTRONIC TECHNOLOGY LIMITED

SHEET: 1/1

SCALE: 1:1

UNIT: mm



THIRD ANGLE PROJECTION

**A4**

|      |             |       |         |
|------|-------------|-------|---------|
| 1X   | ORIGINAL    | Jamin |         |
| REV. | DESCRIPTION | DR.BY | ECN. NO |