



Features

- The contact parts are made of highly reliable copper alloy shrapnel
- It has the characteristics of reliable connection, soft insertion, low contact resistance and high current carrying density
- Applied to the 4kW communication power supply cabinet and connected to the gold finger of the 4kW communication power supply module
- Install it on the rack panel with screws
(Recommended installation screws M3 × 12)
DC and AC are connected with OT terminals,
signal wires can be customized according to user requirements

RoHS compliant

ELECTRICAL DATA

Rated Voltage	AC terminal: 420VAC/DC DC terminal, Signal terminal: 72VAC/DC
Rated current	DC terminal: 100A AC terminal: 30A Signal terminal: 1A
Voltage Proof	Between AC and ground: 2000VAC Between DC and ground: 2000VAC Between Signal and ground: 1000VAC
Contact Resistance	DC terminal: 1mΩ max. AC terminal: 1.5mΩ max. Signal terminal: 25mΩ max.
Insulation Resistance	1000 MΩ min. (500VDC, normal)

Notes: 1) The data shown above are initial values.

CHARACTERISTICS

Temperature Range	-40°C to 125°C
Voltage surge	5KA 8/20uS Lightning impulse current test (with module)
Salt Mist	48h NSS
Humidity Temperature Cycling	25°C to 40°C, relative humidity reference GB2423.04, repeat 10 times ⁽²⁾
Temperature life	432 hours at 100±5°C ⁽²⁾
Temperature rise	30°C max.
Thermal Shock	-40°C(30 min), +125°C±5°C(30 min), 5 times ⁽²⁾
Mechanical Shock	Acceleration of 50g, half sine wave, lasting 11 ms, ±X, ±Y, ±Z direction 3 times each, the current instantaneous break time is less than 1μs
Vibration	Frequency 10Hz ~ 500Hz ~ 10Hz, displacement amplitude 0.75mm, each vertical direction lasts for 55 min, the current instantaneous break time is less than 1μs
Protection Grade	IP20
Quality	Approx. 43.4g
Marking Mode	Laser etching
Durability	200 Times Min.
Termination	Screw, Cable docking

Notes: 1) The data shown above are initial values.

2) No physical damage, electrical and mechanical performance meets sequential tes.

STORAGE REQUIREMENT

Environment temperature	-10°C to +40°C
Humidity	80% Max
Ambient gas	no acidity, no alkalescence and other corrosive gas
Stockpile period	Doesn't exceed one year from production date

Notes: 1) The data shown above are initial values.



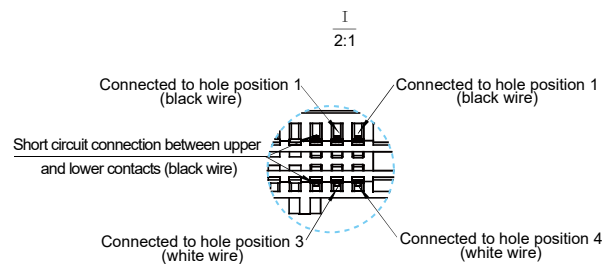
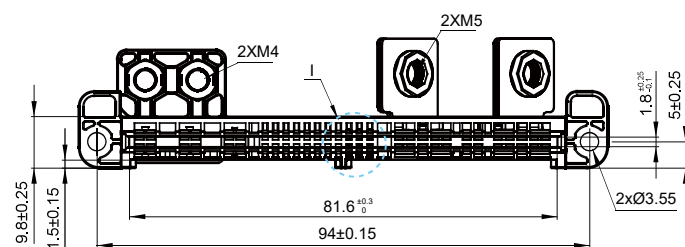
ORDERING INFORMATION

	HFLPR7-	H	09	22	E	L	H	G	(P1)
Type									
Type of Contact	H: Non-polarity								
No.of Power Contact	09: 9 Power Contacts								
No.of Signal Contact	22: 22 Signal Contacts								
Structural Form	E: Special-shaped								
Power Termination Form	L: Screw Connection								
Signal Termination Form	H: Cable Welding								
Contact plating	G: Gold plated for both power and signal components								
Special code	P: Contact arrangement								

OUTLINE DIMENSIONS AND RECOMMENDED PCB SIZE

Unit: mm

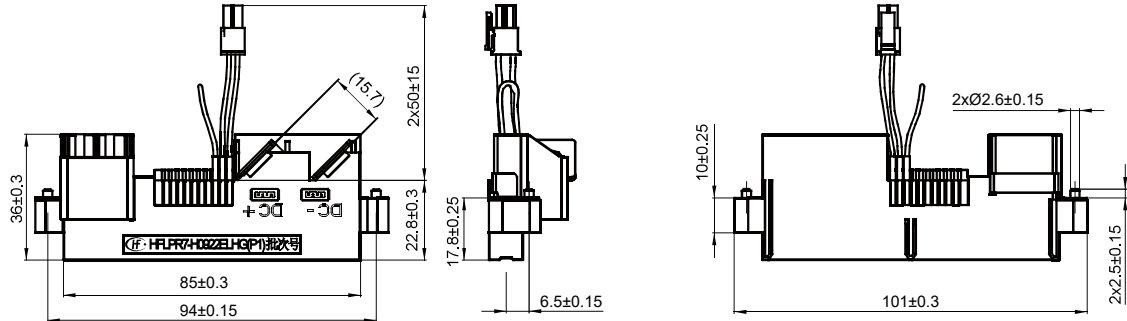
Outline Dimensions



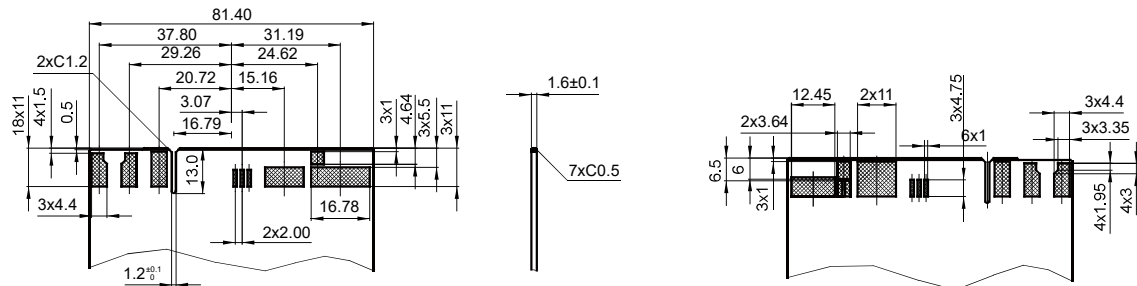
OUTLINE DIMENSIONS AND RECOMMENDED PCB SIZE

Unit: mm

Outline Dimensions



Recommended PCB Size



Notes: Undeclared tolerance is ± 0.05 .

Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Hongfa for the technical service. However, it is the user's responsibility to determine which product should be used only.

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