



安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen
受控文件
2026年1月7日

Note (备注):

1. Material / Finish

部件表面处理

Shells: Aluminum alloy/ Epoxy powder painting/color/black

外壳: 铝合金 / 漆粉 颜色为黑色

Insert: Thermoplastics UL94-V0

插芯: 热塑性塑料 UL94-V0

Contact: 10mm pin power contacts,

2 Pos for 70 Sqmm cable,

12X16# for signal with 0.75-1.0mm²

Copper alloy / Silver plated (crimp type

端子: 10mm公针端子, 2根用于70平方线缆

12根1.6mm公针用于信号0.75-1.0mm²

铜合金/镀银/压接式

2. Mechanical data

机械性能

Operating Temperature: -40°C ~ +125°C

工作温度: -40°C ~ +125°C

IP-Class: IP67

防水等级: IP67

Mechanic Durability: Body more than 5000 cycles

机械寿命: 主体至少5000次 (需按标准维护)

7#屏蔽杯压接后总直径不可超过19mm

5#&6#线夹子内侧建议剥0P-40 剥胶皮后再夹线紧

3. Electrical data:

电气性能

Single module withstanding voltage: 4000V AC (1 minute)

单芯模块耐压: 4000V AC (1分钟)

Rated Voltage: 1000V DC For Power

额定电压: 1000V DC

Rated Current: 300A max.

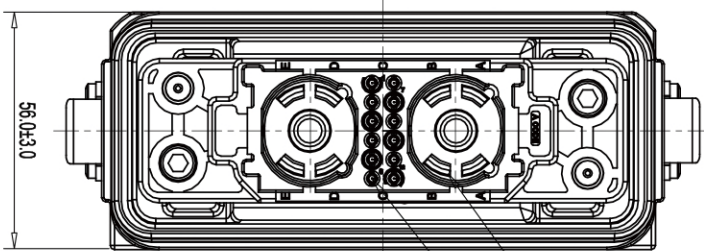
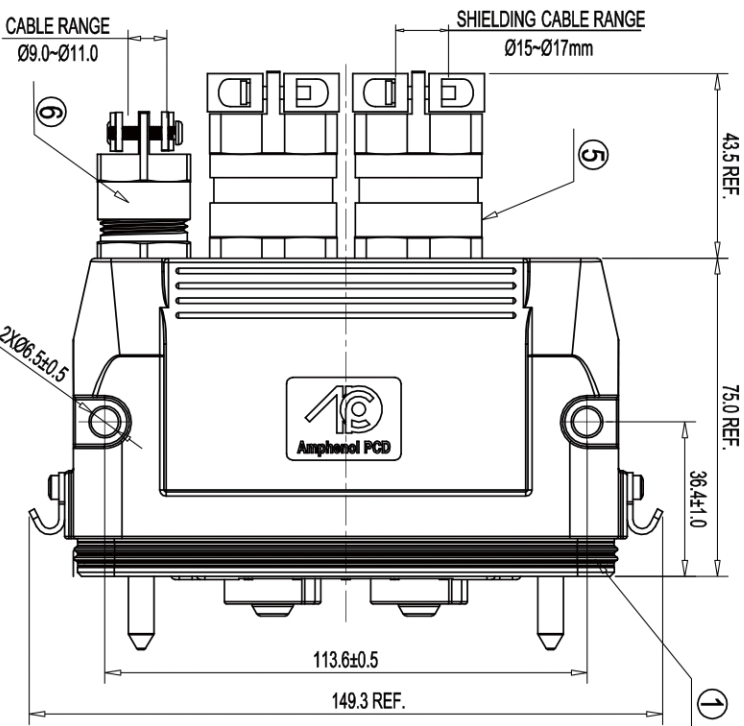
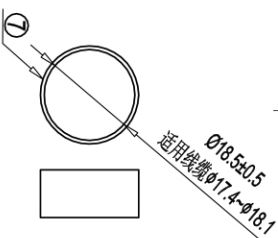
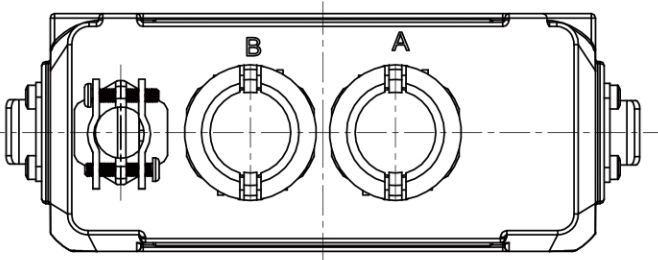
额定电流: 300A max.

Insulation Resistance: 5000 MO Min

绝缘阻抗: 大于5000 MO

Contact Resistance: Less than 5 milliohms

接触阻抗: 小于5mΩ



DIMENSIONS	TOLERANCES	PROJECTION
ANSI Y14.5M	X ± 0.5	
UNITS: MM	.XX ± 0.05	
CAD FILE	ANGLES ± 2.0°	
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ITEM	DESCRIPTION	QTY
7	SHIELDING BUSH FOR 70mm ²	2
6	M20 NON-SHIELDING CABLE GLAND	1
5	M25 SHIELDING CABLE GLAND	2
4	0.75MM ² PIN CONTACT, SILVER PLATED	12
3	70MM ² PIN CONTACT	2
2	E16 PIN FRAME WITH MODULE	1
1	CONNECTOR HOOD WITH 2X M25-M20 ENTRY	1
TITLE		
HS POWER CONNECTOR RECEPTACLE		
SIZE	DWG NO.	REV
A3	HS016F300P10D70XTR	2
SCALE	SHEET	1 OF 1
0.8:1		

HS016F300P10D70XTR

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE-RELEASE	2025.09.27	
2		UPDATE DIMENSIONS	2025.10.21	

HS016F300P10D70XTR