

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE-RELEASE	2025.09.06	
2		UPDATE DIMENSIONS	2025.10.22	

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/喷粉颜色为黑色

Insert: Thermoplastics UL94-V0

插芯: 热塑性塑料 UL94-V0

Contact: 10mm pin power contacts,

2 Pcs for 70 Sqmm cable,

12X16# for signal with 0.75-1.0mm2

Copper alloy / Silver or Nickel plated /crimp type

端子: 10mm公针端子, 2根用于70平方线缆

12根1.0mm母针用于信号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(需持续维护)

3. Electrical data:

电气性能

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

单芯模块耐电压: 4000VAC (1分钟)

Rated Voltage : 1000V DC For Power

单芯模块额定电压: 1000V DC

Rated Current: 300A max.

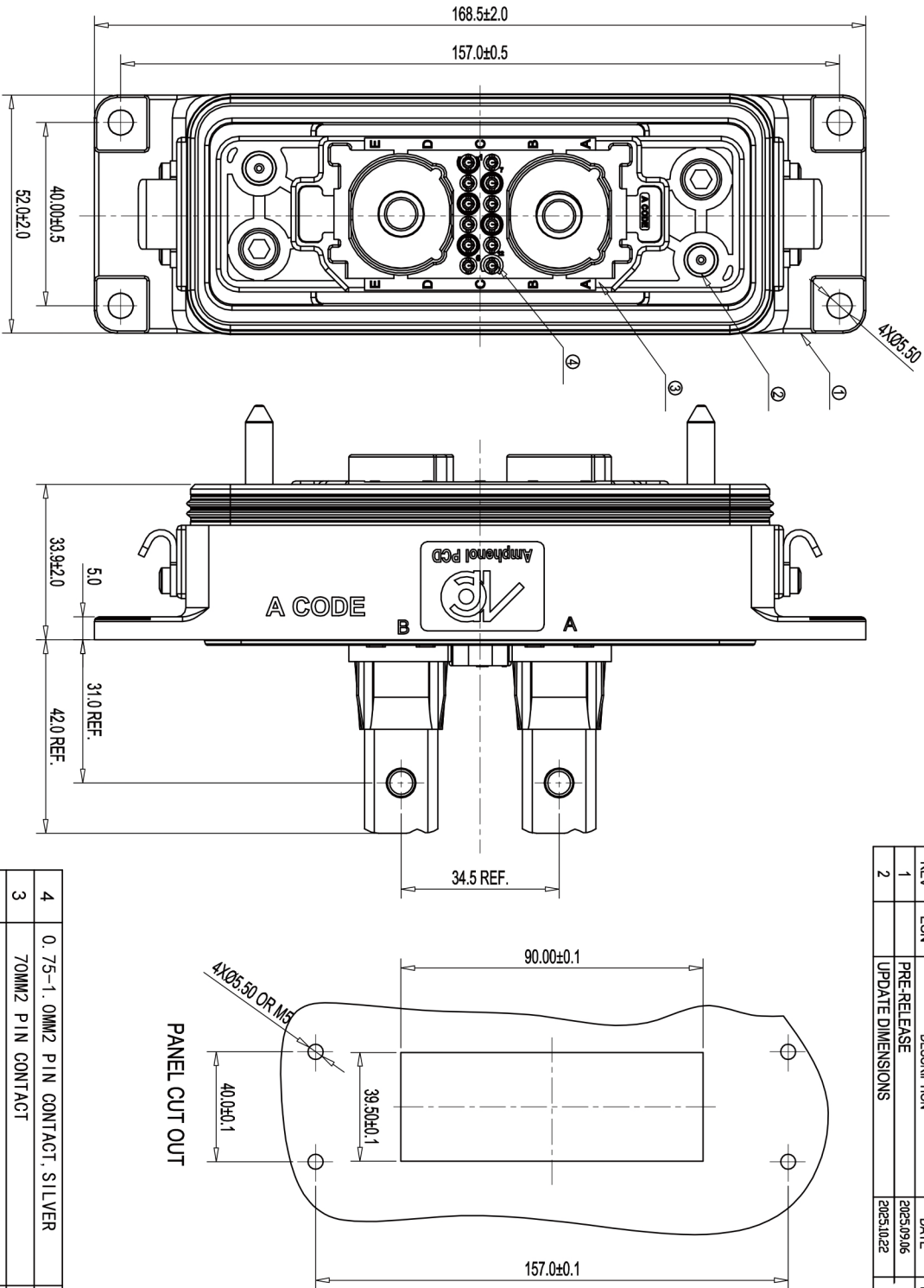
额定电流: 300A max.

Insulation Resistance: 5000 MQ Min

绝缘阻抗: 大于5000 MQ

Contact Resistance: Less than 5 milliohms

接触阻抗: 小于5mΩ



DIMENSIONS		TOLERANCES		PROJECTION		TITLE	
ANSI Y14.5M	UNITS: MM	X ± 0.5	XX ± 0.05	ANGLES ± 2.0°	Amphenol PCD Shenzhen	SIZE	DWG NO.
CAD FILE					ENGR	A3	HS016F300S10D70PTR
ORIGINAL		THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF AMPHENOL PCD SHENZHEN. IT IS THE RIGHT TO CLARIFY THIS DRAWING.				CHKD	REV
					APPD		2

HS POWER CONNECTOR
RECEPTACLE A CODE

ITEM	DESCRIPTION	QTY
4	0.75-1.0MM2 PIN CONTACT, SILVER	12
3	70MM2 PIN CONTACT	2
2	E16 FLOATING SOCKET FRAME&MODULE	1
1	CONNECTOR HOUSING	1