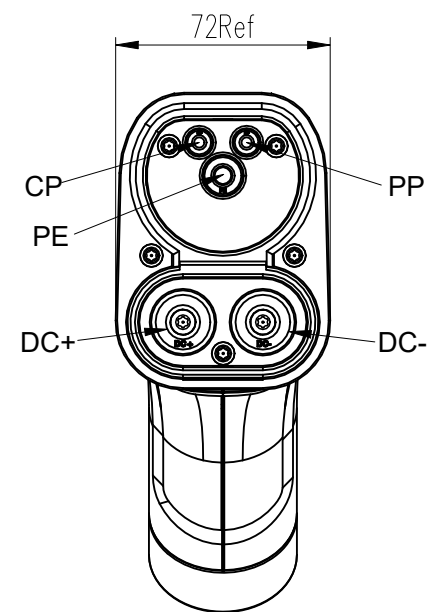
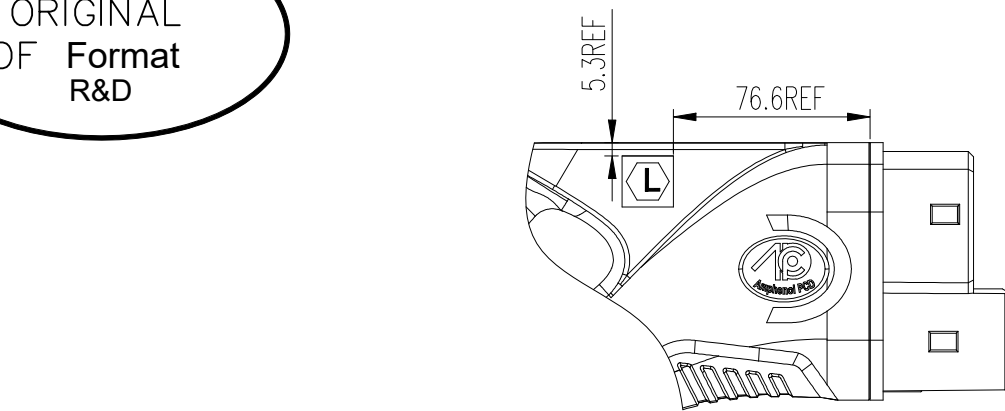


Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Oct-21-2024	Max
2		UPDATED LASER MARKING	Nov-11-2024	Max
3	R09402	CHANGED DC- HOSE COLOR	Aug-30-2025	Max



Front view of plug

① With potting

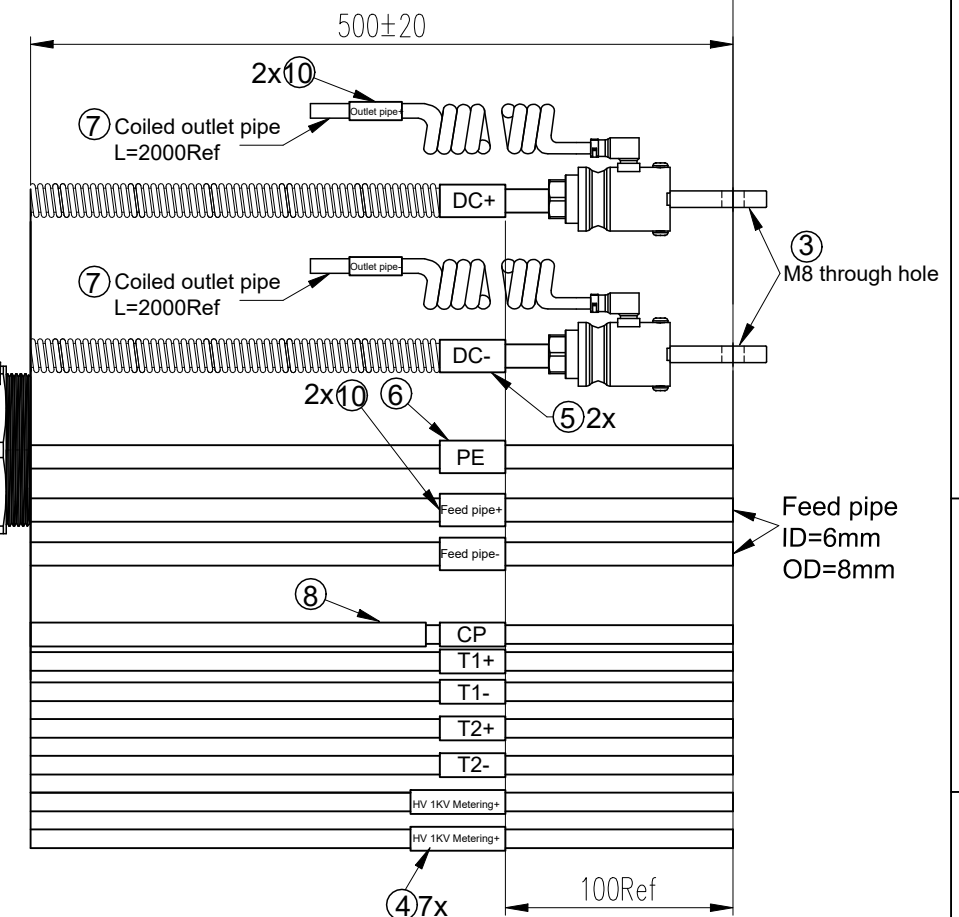
安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen
受控文件
2025年10月9日

LENGTH	TOLERANCE
1~1000mm	±50
1001~5000mm	±100
>5000mm	±200

NUT Torque: 15 - 20 N.m

⑨ M50X1.5-6g

(XXXX±XX)

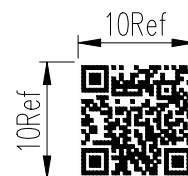


TN: XXXXXXXX YYWW
XXXXXXXX: Work order number + batch number
YYWW: Year / Week
LXXXX: XXXX = Cable length

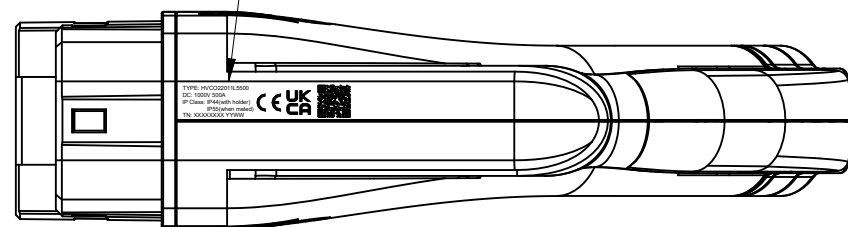
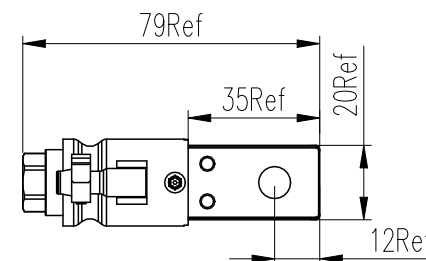
TYPE: HVCO22011LXXXX
DC: 1000V 500A
IP Class: IP44(with holder)
IP55(when mated)
TN: XXXXXXXX YYWW



QR code Content including:
Part number#Work order number
#Serial number ex:0001
(ex:HVCO22011LXXXX#XXXXXXXX#XXXX)



Top view for busbar



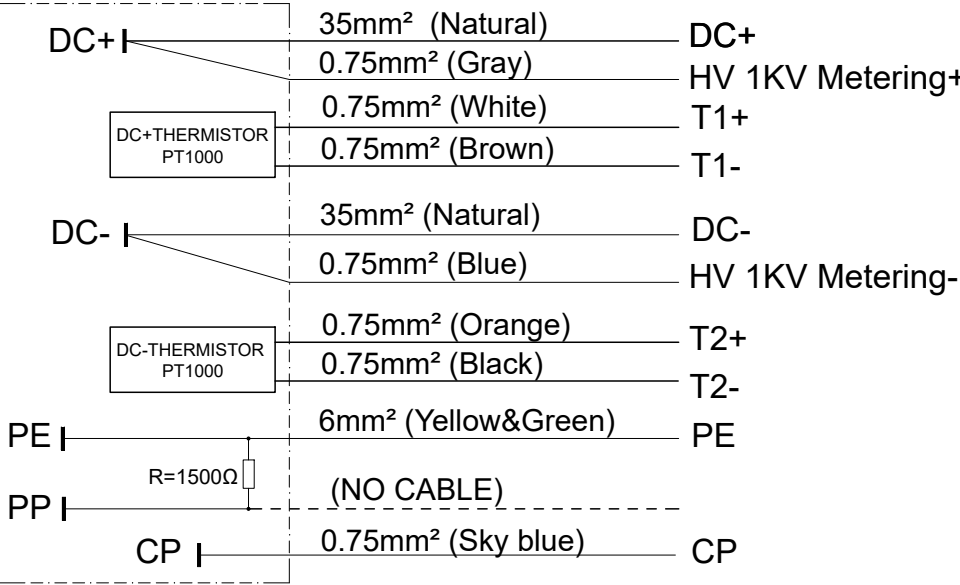
DIMENSIONS		TOLERANCES		PROJECTION		Amphenol PCD Shenzhen				TITLE					
ANSI Y14.5M		.X ± 0.50				ENGR Max.Ma Oct-21-2024				CCS2 PLUG 500A--REPLACEABLE FRONT INSERT AND CONTACTS CABLE ASSEMBLY					
UNITS: MM		.XX ± 0.05													
CAD FILE		ANGLES ± 2°													
ORIGINAL		THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF Amphenol PCD Shenzhen Co. Ltd Amphenol PCD Shenzhen Co. Ltd RESERVES THE RIGHT TO CLARIFY THIS DRAWING				CHKD				SIZE		DWG NO.		REV	
										A3		C-HVCO22011LXXXX		3	
				APPD						SCALE		SHEET			
										1:1		1 OF 2			

安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen

受 控 文 件

2025年10月9日

Mode of Connection



*Notes:

1. Cable assembly data:

- ✦ Rated Voltage: 1000V DC (DC+, DC-), 30V DC (CP, PP);
- ✦ Rated Current: CP & PP: 2A;
DC+, DC-: 150A / Without coolant
500A / With coolant(rated current CE qualified);
600A / With coolant(Test passed);
850A / With coolant peak*.

- ✦ Insulation Resistance:
100MΩ Min 1000V DC (DC+, DC-, PE)
100MΩ Min 500V DC (CP, Thermistor wire)

- ✦ Withstand Voltage:
3000V AC (DC+, DC-, PE);
500V AC (CP, Thermistor wire)
- ✦ IP-Class: IP67 (enclosure), IP55 (mated)
- ✦ RoHS Compliance

- 2. Ambient Temperature: -40°C to +50°C (+55°C max, Current reduction required, when the temperature is beyond 90°C)
- 3. IEC Plug reference:C-HVCO22011
- 4. Reference For, IEC 62196-3-1
- 5. Cable Minimum Bending Radius: $\geq 8XOD$ (Static applications);
 $\geq 10XOD$ (Dynamic applications)

- © 6. Durability: 20000 cycles (Replaceable)
- 7. Working Pressure: 0 to 7bar; Coolant: DI - Water + Glycol or Dielectric coolant
- 8. Ground wire is suitable for isolated DC EV supply equipment as reference earth or function earth.
- 9. For HV 1KV Metering wires:Please protect with insulated material at the tail if don't use both wires
*only if user monitored coolant temperautre not excessed 85°C,can support 850A peak once have sufficient cooling ability.

⑩	C210021008	SINGLE-WALL H.S.T: Ø8.0 WHITE	0.12	m
⑨	P02B000699	CABLE GLAND M50-1.5	1	EA
⑧	C210000080	SINGLE-WALL H.S.T: Ø5.0 BLACK	0.40	m
⑦	OUTLET PIPE	OUTLET PIPE,COILED L=2000Ref	2	EA
⑥	P05B000006	SINGLE-WALL H.S.T: Ø5.0 WHITE	0.03	m
⑤	C210006511	SINGLE-WALL H.S.T: Ø12.7 WHITE	0.06	m
④	C210006837	SINGLE-WALL H.S.T: Ø3.2 WHITE	0.15	m
③	P02B00070501	TERMINAL OF DC WIRE,M8	2	EA
②	CABLE	2x35mm²+TUBES+6mm²+8x0.75mm² Black OD=34.0±1	AR	m
①	HVCO22011	CCS2 500A COOLING PLUG,REPLACEABLE	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

SIZE	DWG NO.	REV
A3	C-HVCO22011LXXXX	3
SCALE	1:1	SHEET 2 OF 2