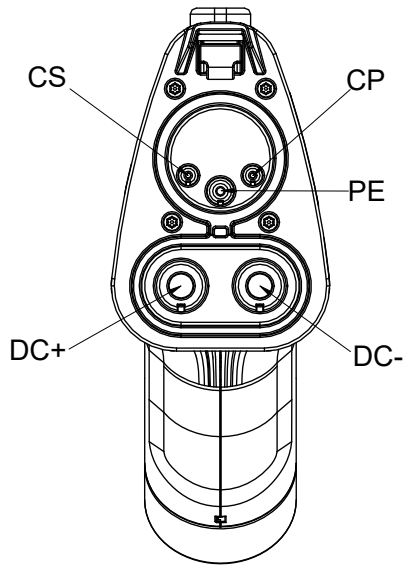


Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

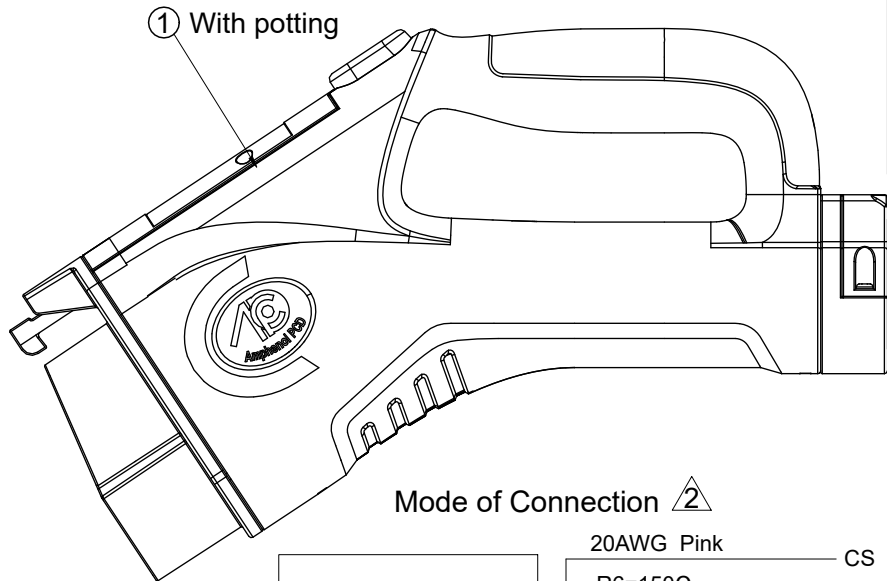
TYPE: HVCO11012LXXXX
T/N:XXXXXXXX YYWW
RATED . 600 A, 1000 V DC
TYPE NO . 3S A&T:-40 °C~50 °C
CAUTION:Not for current
interrupting.
Connector is intended for use with
Inlet Models type SAE J1772
CAUTION:Do not use if there is any
damage to the EV cable or the
connector

XXXXXXXX: Work order number+branch number
YYWW indicates year/week
Can not print UL logo until Amphenol
gets certificate

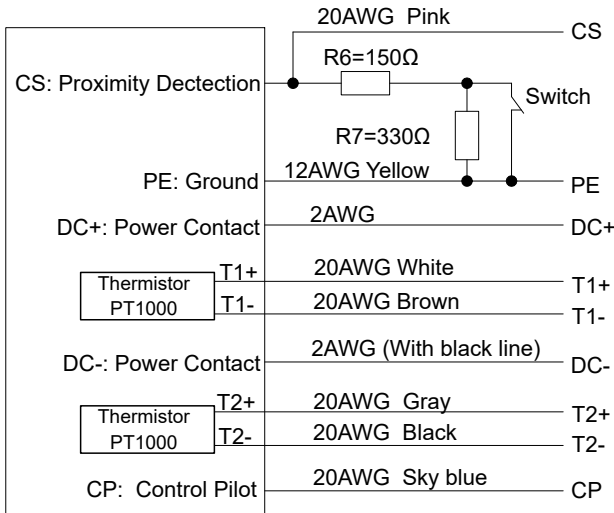
REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Jan-28-2024	
2		REMOVED METERING WIRES	Mar-08-2024	



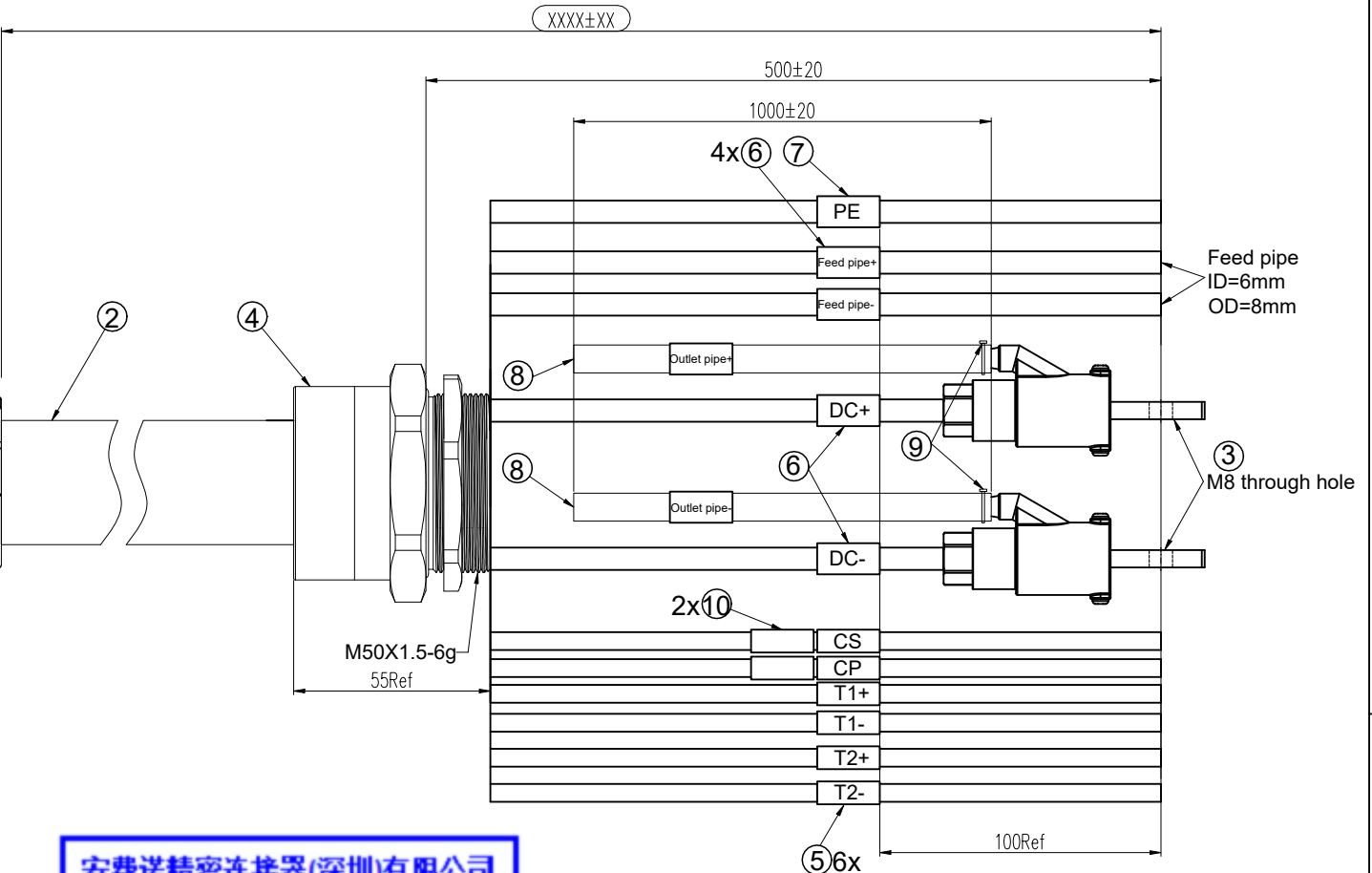
Front view of plug



Mode of Connection



LENGTH	TOLERANCE
0~1000mm	±50
1001~5000mm	±100
>5000mm	±200



安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen
受控文件
2024年3月11日

- *Notes:
- Cable assembly data:
 - Rated Voltage:1000V DC(DC+&DC-),30V DC(CP&CS);
 - Rated Current: CP&CS: 2A;
DC+&DC-:150A/Without coolant
600A/With coolant(rated current);
850A/With coolant peak*;
 - Insulation Resistance:
 - 100MΩ Min/1000V DC(DC+&DC-&PE)
 - 100MΩ Min/500V DC(CP&CS&Thermistor wire)
 - Withstand Voltage:
 - 3000V/AC r.m.s(DC+&DC-&PE);
 - 500V/AC r.m.s(CP&CS&Thermistor wire)
 - IP-Class: IP67/IP69(enclosure); TYPE 3S;
 - RoHS Compliance
 - Ambient Temperature: -40°C ~ +50°C (+55°C max,
Current reduction required, when the coolant temperature is beyond 85°C)
 - IEC Plug reference:C-HVCO11012
 - Reference For,SAE J1772 ,UL2251
 - Cable Minimum Bending Radius: ≥ 8XOD(Static applications);
≥ 10XOD (Dynamic applications)
- ©6.Durability: 20000 cycles
- 7.Working Pressure:0~7bar; Coolant: Dielectric coolant
8. Ground wire is suitable for isolated DC EV supply equipment as reference earth or function earth.
- *only if user monitored coolant temperautre not excess 85°C,can support 850A peak once have sufficient cooling ability.

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen		TITLE CCS1 COOLING PLUG(HANDLE) 600A CABLE ASSEMBLY			
ANSI Y14.5M	.X ± 0.50		ENGR					
UNITS: MM	.XX ± 0.05		Jan-28-2024					
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	
			APPD		A3	C-HVCO11012LXXXX	2	
					SCALE 1:1		SHEET 1 OF 1	

ITEM	P/N	DESCRIPTION	QTY	UNIT
⑩	C210006342	DOUBLE-WALL H.S.T: Ø4.0 BLACK	0.06	m
⑨	P01BN01331	STEPLESS EAR CLAMP/SUS304	2	EA
⑧	P01BN01497	TUBING PIPE,OD=8,ID=6	2.0	m
⑦	C210000081	SINGLE-WALL H.S.T: Ø5.0 WHITE	0.03	m
⑥	C210006511	SINGLE-WALL H.S.T: Ø12.7 WHITE	0.12	m
⑤	C210006837	SINGLE-WALL H.S.T: Ø3.2 WHITE	0.12	m
④	P02B000220	CABLE GLAND,M50	1	EA
③	P02B00028601	TERMINAL OF DC WIRE,M8	2	EA
②	P01BC00283	2x2AWG+TUBES+12AWG+8x20AWG Black OD=31±0.5	AR	m
①	HVCO11012	CCS1 600A COOLING PLUG,1000V,BLACK	1	EA