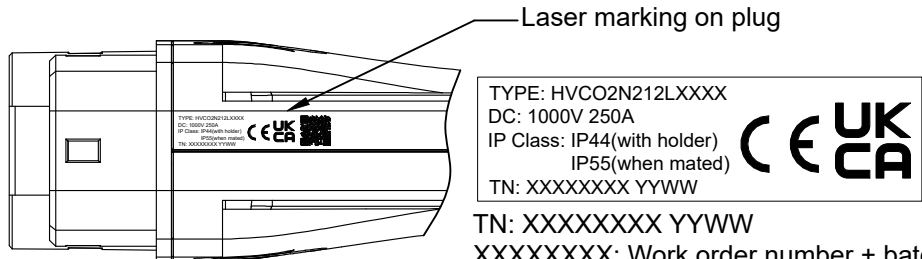


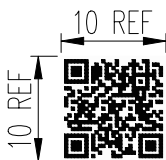
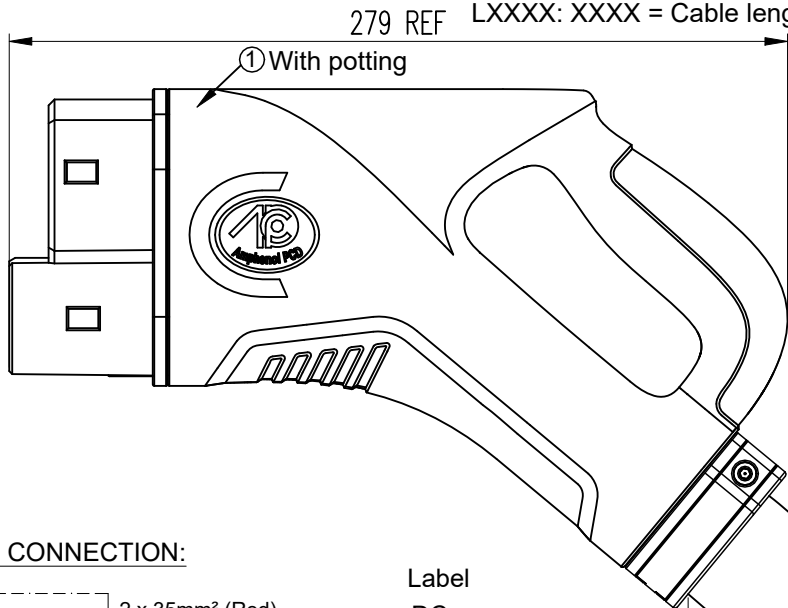
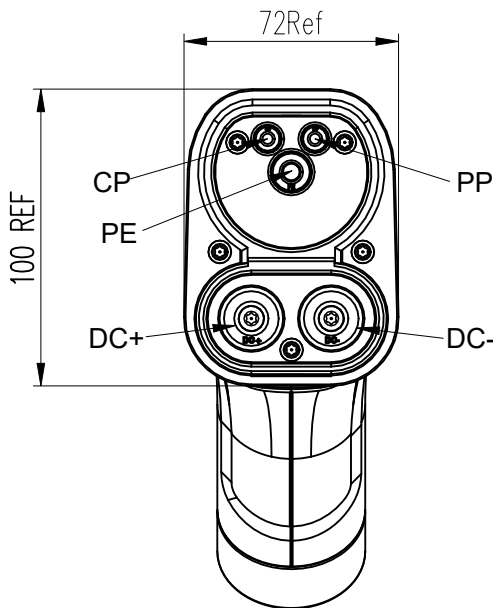
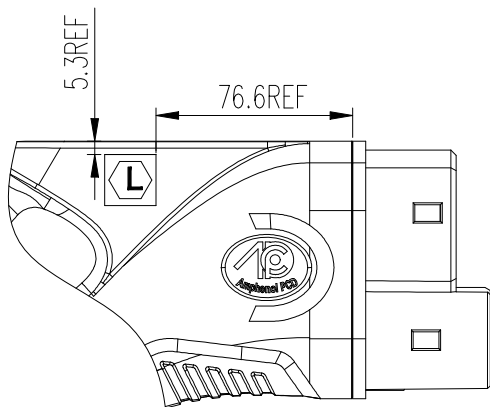
REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Nov-27-2024	

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

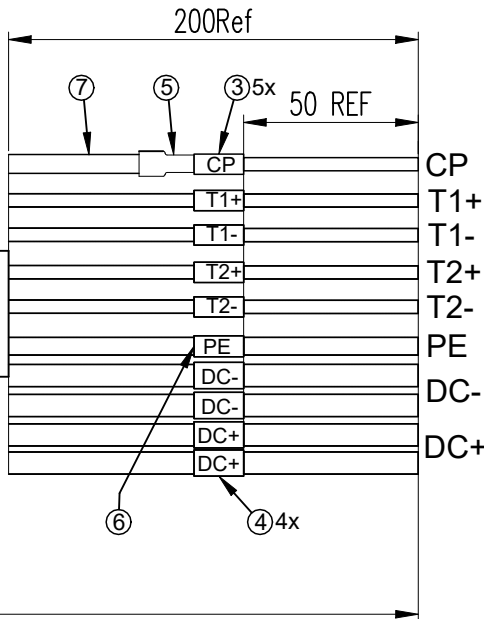


TYPE: HVCO2N212LXXXX
DC: 1000V 250A
IP Class: IP44(with holder)
IP55(when mated)
TN: XXXXXXXX YYWW

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



QR code Content including:
Part number#Work order number
#Serial number ex:0001
(ex:HVCO2N212LXXXX#XXXXXXXX#XXXX)



MODE OF CONNECTION:

		Label
DC+ I	2 x 35mm ² (Red)	DC+
DC+ Thermistor PT1000	0.75mm ² (White)	T1+
	0.75mm ² (Violet)	T1-
DC- I	2 x 35mm ² (Black)	DC-
DC- Thermistor PT1000	0.75mm ² (Orange)	T2+
	0.75mm ² (Green)	T2-
PE I	6mm ² (Yellow&Green)*	PE
PP I	No cable	PP
CP I	0.75mm ² (Gray)	CP

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

受 控 文 件

2024年11月28日

*Notes:

1.Cable assembly data:

Storage Temperature : -40°C to +80°C
Ambient Temperature: -40°C to +50°C, (+55°C max,
Current reduction required, when the working
temperature is beyond 90°C)

- ★ Rated Voltage: 1000V DC (DC+, DC-) 30V DC(CP, PP);
- ★ Rated Current: CP, PP: 2A Max; DC+, DC-: 250A
- ★ Insulation Resistance: DC 1000V 100MΩ Min (DC+, DC-, PE)
DC 500V 100MΩ Min (CP, Thermistor wires);

- ★ Withstand Voltage: 3000V AC (DC+, DC-, PE);
500V AC (CP, Thermistor wires);

- ★ IP-Class: IP55(mated); IP67(enclosure / initial)

- ◎ Durability: 20000 cycles (Replaceable)

- ★ RoHS Compliance

- 2. Connector Reference: C-HVCO2NX11

- 3. Reference For, IEC 62196-3; EN17186

- 4. Cable Minimum Bending Radius: ≥ 10 OD

- 5. *Ground wire is suitable for isolated DC EV supply equipment
as reference earth or function earth.

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

⑦	C210000080	SINGLE-WALL H.S.T: Ø5 BLACK	0.15	m
⑥	P05B000006	SINGLE-WALL H.S.T: Ø6 WHITE	0.02	m
⑤	C210006341	DOUBLE-WALL H.S.T: Ø6.0 BLACK	0.03	m
④	C210006511	SINGLE-WALL H.S.T: Ø12.7 WHITE	0.08	m
③	C210006837	SINGLE-WALL H.S.T: Ø3.2 WHITE	0.10	m
②	Cable	4x35mm ² +6mm ² +8x0.75mm ² OD=31.5±1	AR	m
①	HVCO2N211	CCS2 250A PLUG-REPLACEABLE	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen		TITLE GEN3 CCS2 CONNECTOR 250A 1000V F/R 4X35MM ² W/O METERING CABLE ASSEMBLY			
ANSI Y14.5M	.X ± 0.50		ENGR		Nov-27-2024			
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
			APPD		A3	C-HVCO2N212LXXXX		1
						SCALE 1:1		SHEET 1 OF 1