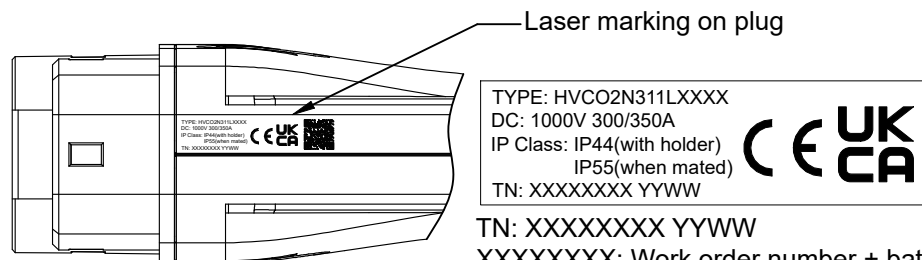
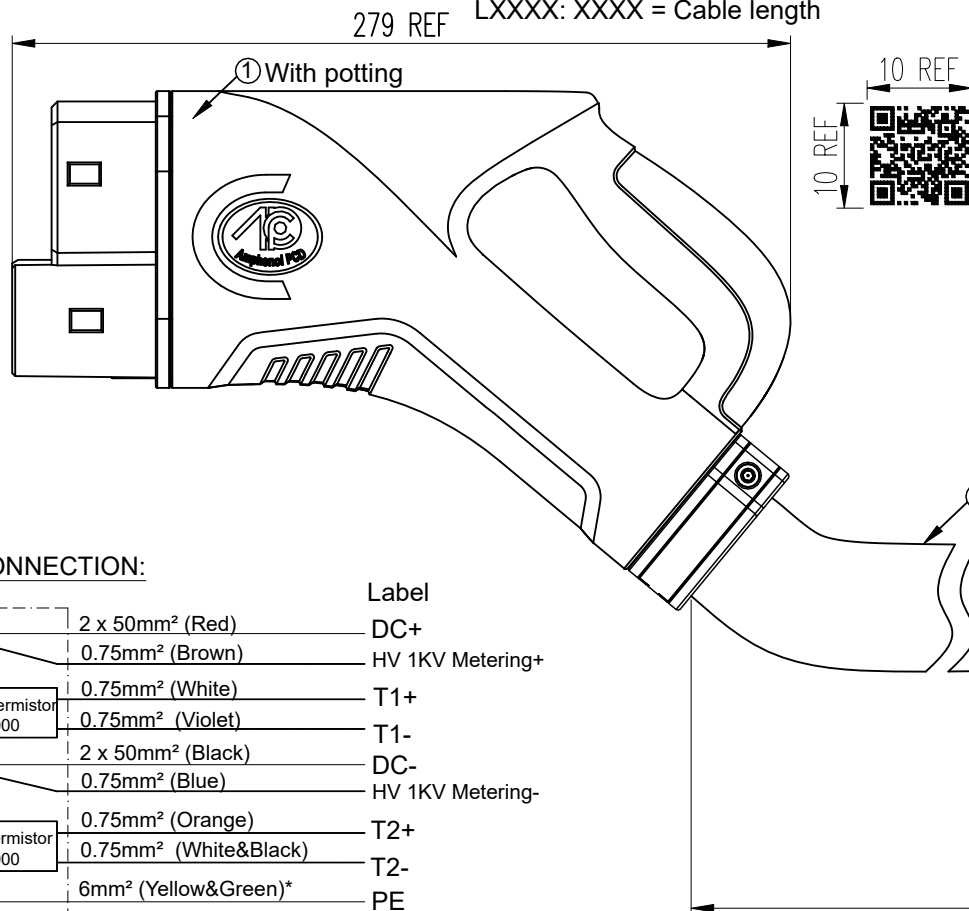
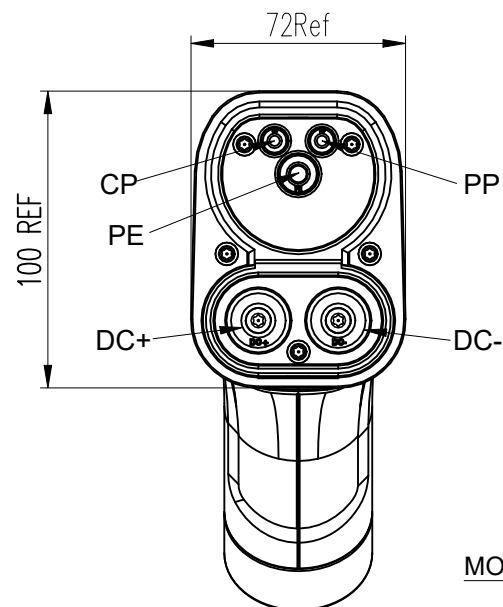


REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Nov-27-2024	Max

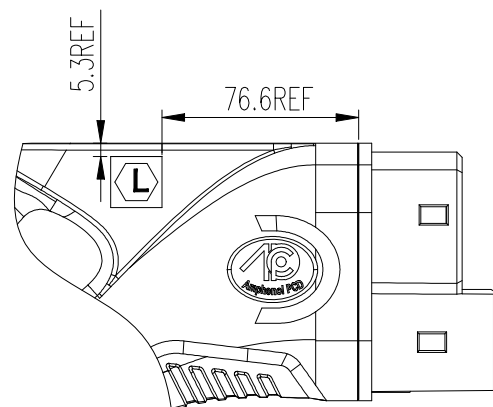
Amphenol PCD SZ
ORIGINAL
PDF Format
R&D



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

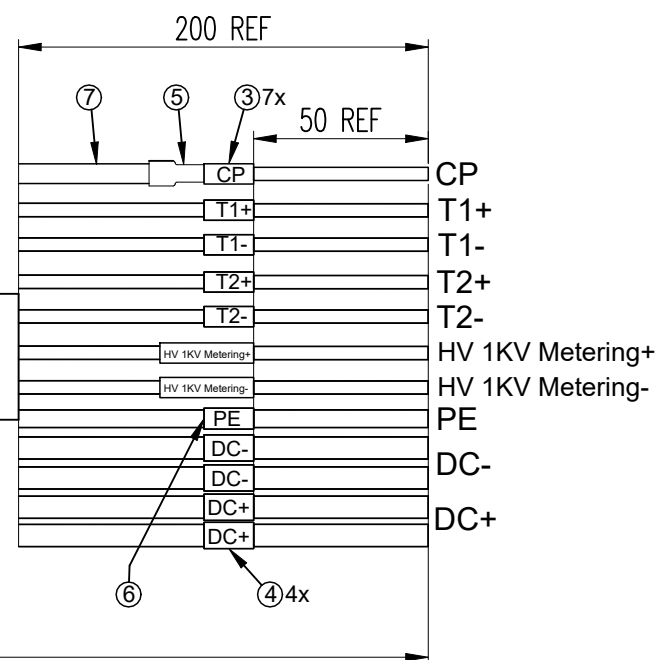


QR code Content including:
Part number#Work order number
#Serial number ex:0001
(ex:HVCO2N311LXXXX#XXXXXX#XXXX)



MODE OF CONNECTION:

		Label
DC+ I	2 x 50mm ² (Red)	DC+
	0.75mm ² (Brown)	HV 1KV Metering+
DC+ Thermistor PT1000	0.75mm ² (White)	T1+
	0.75mm ² (Violet)	T1-
DC- I	2 x 50mm ² (Black)	DC-
	0.75mm ² (Blue)	HV 1KV Metering-
DC- Thermistor PT1000	0.75mm ² (Orange)	T2+
	0.75mm ² (White&Black)	T2-
PE I	6mm ² (Yellow&Green)*	PE
PP I	No cable	PP
CP I	0.75mm ² (Gray)	CP



*Notes:

1. Cable assembly data:

Storage Temperature: -40°C to +80°C

Ambient Temperature: -40°C to +50°C @ DC 300A

-40°C to +45°C @ DC 350A

(+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-: 300/350A

✦ 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. For HV 1KV Metering wires:Please protect with insulated material
at the tail if don't use both wires6. *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	0.15	m
②	Cable	4x50mm ² +6mm ² +8x0.75mm ² OD=34±1	AR	m
①	HVCO2N311	CCS2 300/350A PLUG-REPLACEABLE	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

DIMENSIONS		TOLERANCES		PROJECTION	Amphenol PCD Shenzhen		TITLE GEN3 CCS2 CONNECTOR 300/350A 1000V F/R 4X50MM ² WITH METERING CABLE ASSEMBLY					
ANSI Y14.5M		.X ± 0.50			ENGR Max.Ma		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	
							A3		C-HVCO2N311LXXXX		1	
					APPD							
									SCALE 1:1		SHEET 1 OF 1	