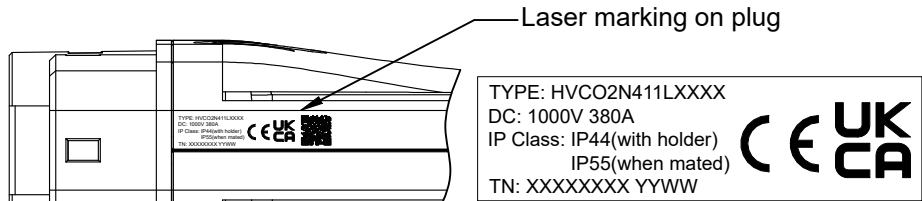


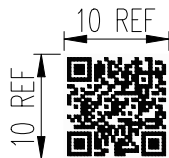
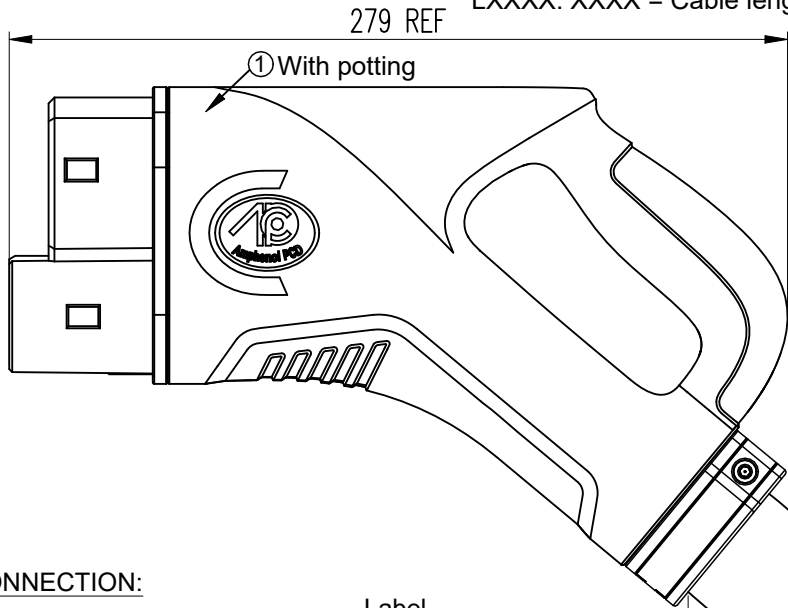
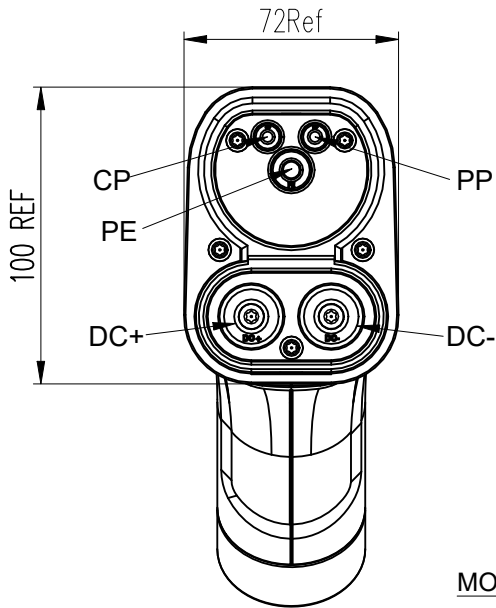
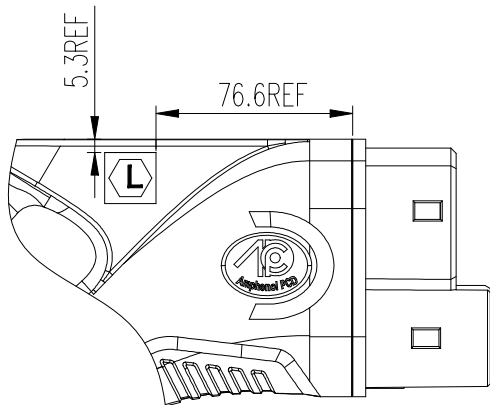
REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Nov-27-2024	

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

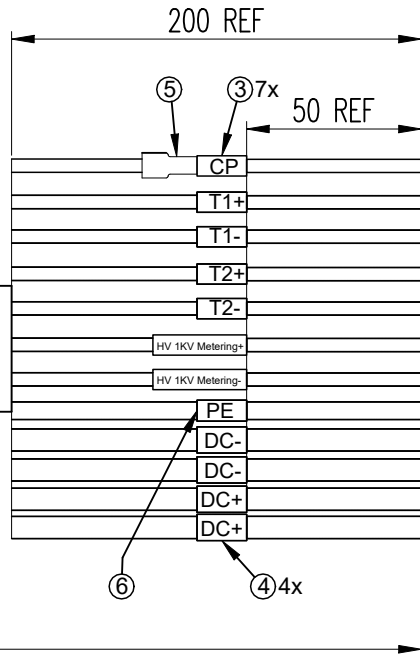


TYPE: HVCO2N411LXXXX
DC: 1000V 380A
IP Class: IP44(with holder)
IP55(when mated)
TN: XXXXXXXX YYWW

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:HVCO2N411LXXXX#XXXXXX#XXXX)



CP
T1+
T1-
T2+
T2-
HV 1KV Metering+
HV 1KV Metering-
PE
DC-
DC-
DC+
DC+

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

R=1500Ω

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 +45°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-: 380A

✦ 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

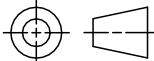
3. Reference For, IEC 62196-3; EN17186

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 wires

6. *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

DIMENSIONS	TOLERANCES	PROJECTION
ANSI Y14.5M	.X ± 0.50	
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	

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	C210021010	SINGLE-WALL H.S.T: Ø14 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=35.5±1	AR	m
①	HVCO2N411	CCS2 380A PLUG-REPLACEABLE	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

Amphenol PCD Shenzhen		TITLE GEN3 CCS2 CONNECTOR 380A 1000V F/R 4X50MM ² WITH METERING CABLE ASSEMBLY		
ENGR Nov-27-2024				
CHKD		SIZE A3	DWG NO. C-HVCO2N411LXXXX	REV 1
APPD		SCALE 1:1		SHEET 1 OF 1