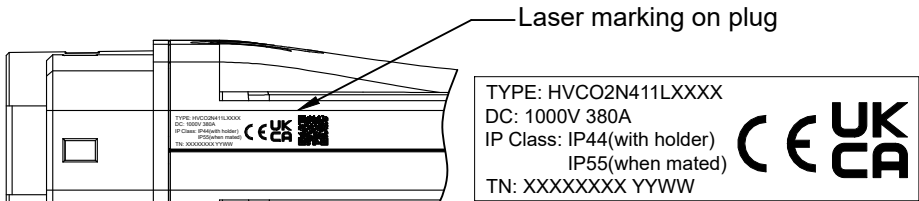


REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Nov-27-2024	Max

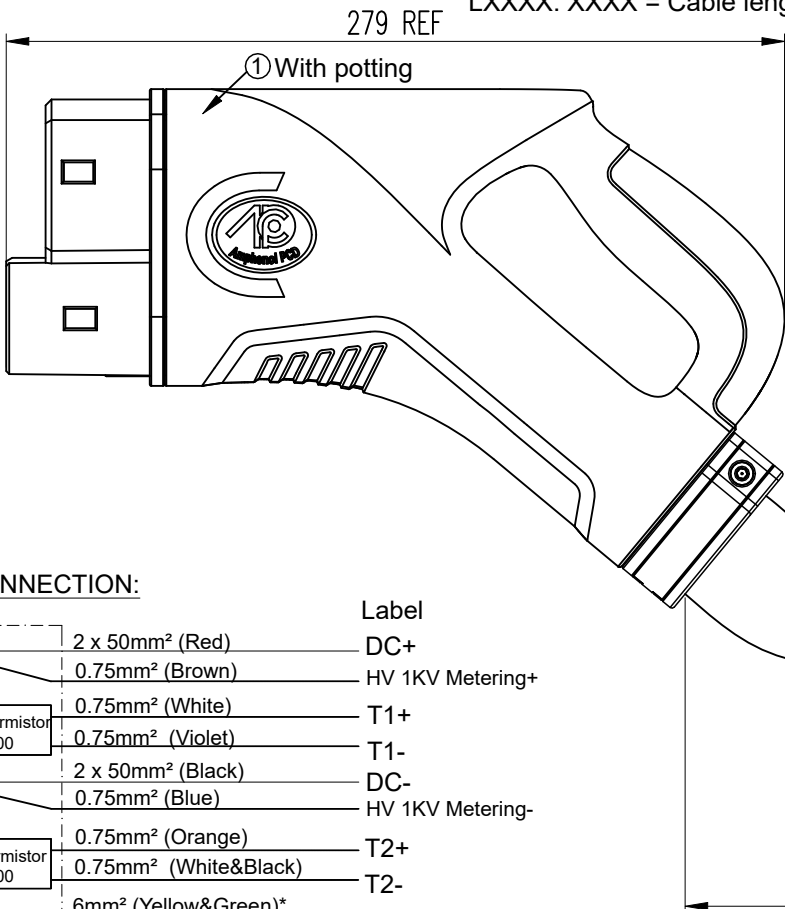
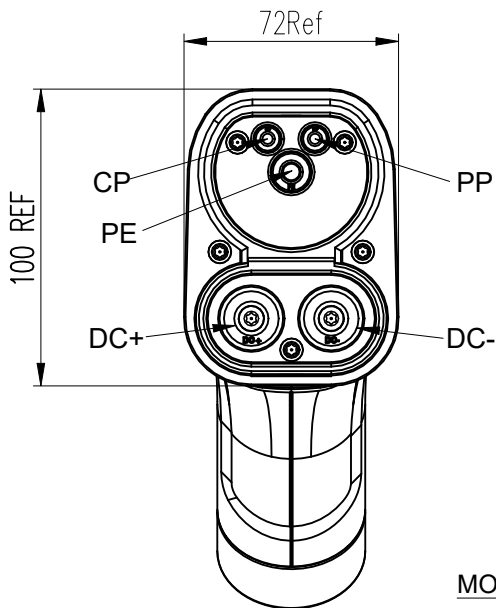
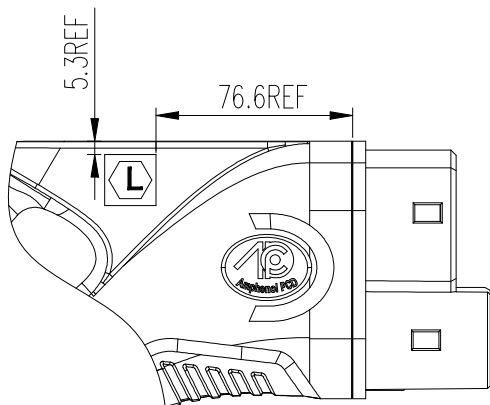
Amphenol PCD SZ
ORIGINAL
PDF Format
R&D



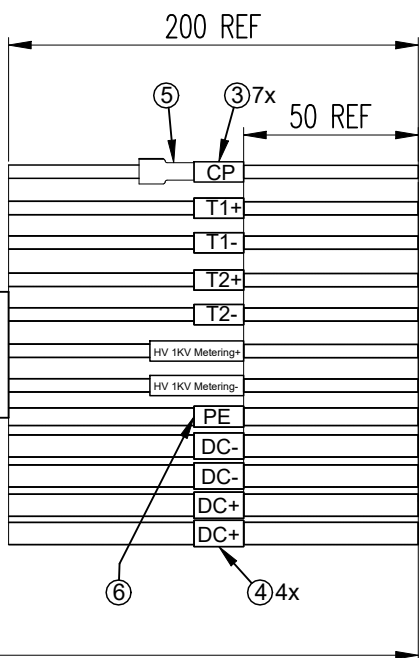
TYPE: HVCO2N411LXXXX
DC: 1000V 380A
IP Class: IP44(with holder)
IP55(when mated)
TN: XXXXXXXX YYWW



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

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

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen		TITLE GEN3 CCS2 CONNECTOR 380A 1000V F/R 4X50MM ² WITH METERING CABLE ASSEMBLY					
ANSI Y14.5M	.X ± 0.50		ENGR		SIZE A3			DWG NO. C-HVCO2N411LXXXX		REV 1
UNITS: MM	.XX ± 0.05		Max.Ma	Nov-27-2024						
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 							
			APPD 							
						SCALE 1:1	SHEET 1 OF 1			