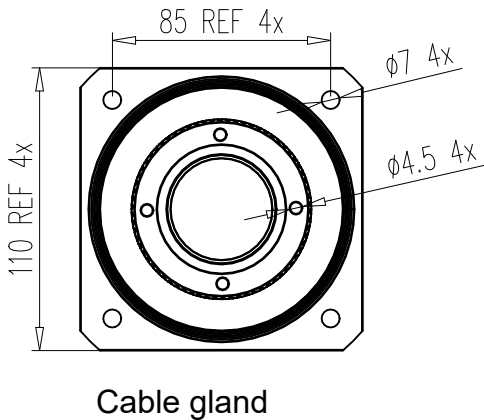
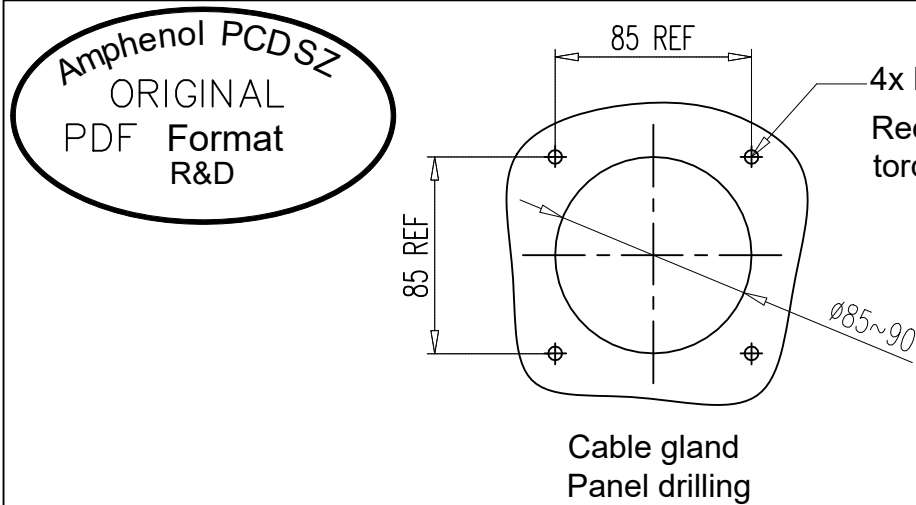


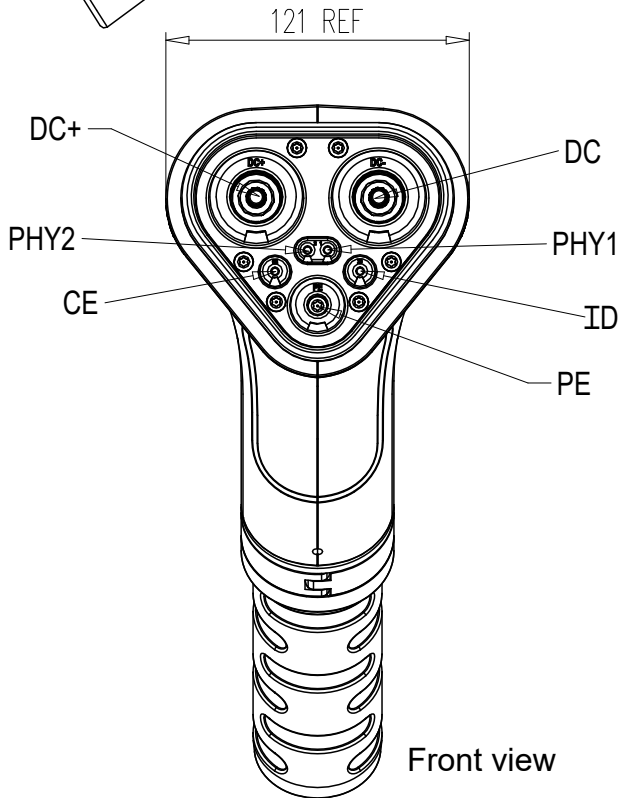
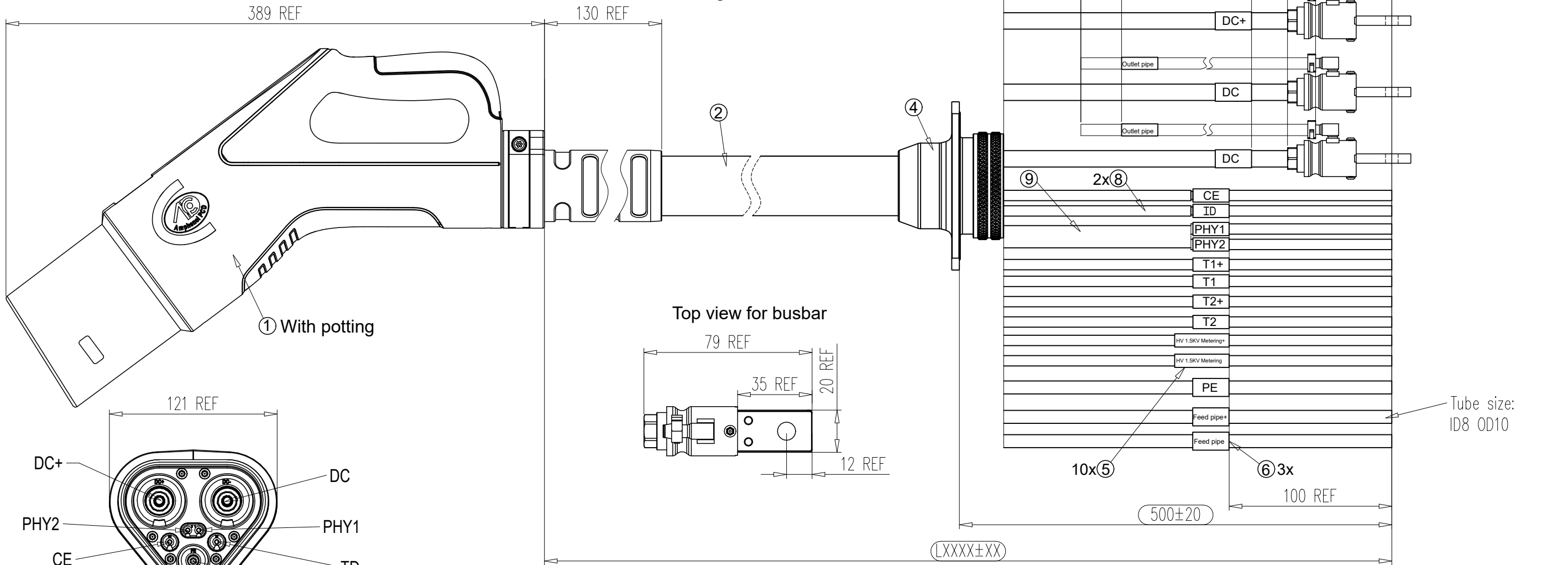
REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PERRELEASE	Aug-31-2026	



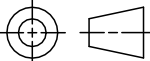
安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen

受 控 文 件

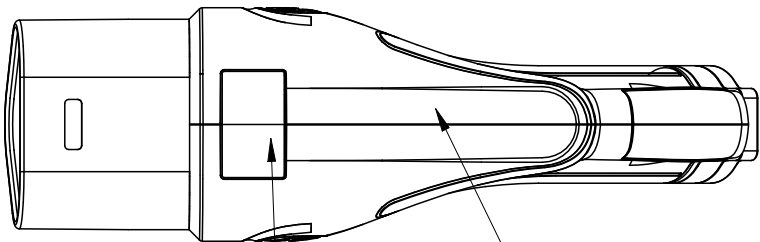
2026年8月31日



Total Length	Tolerance
0 to 1000mm	±50
1001 to 5000mm	±100
>5000mm	±200

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen		TITLE			
ANSI Y14.5M	.X ± 0.50		ENGR		GEN3 MCS CONNECTOR 1500A 1500V 4X35MM² CABLE ASSEMBLY			
UNITS: MM	.XX ± 0.05		Aug-31-2026					
CAD FILE	ANGLES ±2.0°							
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	CHVCO4M2011LXXXX	1	
								SCALE NTS

Lasering Marking



T/N:XXXXXXXX YYWW
Work order number
+Batch number+Year+Week
Font:Arial 2mm Ref

TYPE:HVCO4M2011LXXXX
Rated:250A Without coolant
1500A With coolant
1500V DC
A&T:-40°C to +55°C
T/N:XXXXXXXX YYWW
IP55(Mated) / Type 3S

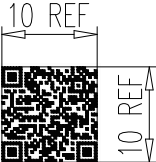
CAUTION:Not for current interrupting.
CAUTION:Do not use if there is any damage
to the EV cable or the connector

Attention:Ne peut servir à couper le courant
Attention:Ne pas utiliser ce produit si le câble VÉ,
la fiche ou le connecteur est endommagé



QR code Content including:
Part number
#Work order number XXXXXX
Serial number XXXX ex:0001
(ex:HVCO4M2011LXXXX#XXXXXX#XXXX)

Can not print CE, UKCA and UL logo unit Amphenol
gets certificate



Mode of Connection

MCS connector	Wire size and color	Label
DC+ I	2x35mm ² (Natural)	DC+
	0.5mm ² (Red)	HV 1.5KV Metering+
	0.5mm ² (White)	T1+
	0.5mm ² (Brown)	T1-
DC- I	2x35mm ² (Natural)	DC-
	0.5mm ² (Yellow)	HV 1.5KV Metering-
	0.5mm ² (Gray)	T2+
	0.5mm ² (Black)	T2-
PE I	25mm ² (Yellow&Green)	PE
R=10KΩ ID I	0.75mm ² (Pink)	ID
CE I	0.75mm ² (Blue)	CE
PHY1 I	0.5mm ² (Green)	PHY1
PHY2 I	0.5mm ² (White)	PHY2

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

受 控 文 件

2026年8月31日

*Notes:

- 1.Cable Assembly Data:
 - ✦ Rated Voltage: 1500V DC (DC+, DC-, Metering wires), 30V DC (CE, ID, PHY1, PHY2);
 - ✦ Rated Current: 1500A Max / With coolant; 250A Max / Without coolant (DC+, DC-)
The max permissible temperature of contact is 100°C the max permissible temperature of cable is 85°C
2A Max (PHY1, PHY2, CE), 10A Max (ID);
 - ✦ Insulation Resistance: 100MΩ Min (1500V DC for DC+, DC-; 500V DC for others)
 - ✦ Withstand Voltage: 4000V AC (DC+, DC-); Others 500V AC
 - ✦ IP-Class: IP67 (enclosure); IP55 (Plugged in); TYPE 3S
 - ✦ RoHS Compliance
- 2.Ambient Temperature: -40°C to +55°C (Current reduction required,when the working temperature is beyond 85°C)
Storge temperature: -40°C to +80°C
- 3.MCS Plug reference: C-HVCO4M2011
- 4.Cable Minimum Bending Radius: ≥10 OD; DC+ and DC- Minimum Bending Radius: ≥200mm
- ©5.Durability: ≥ 20000 cycles(Replaceable)
- 6.Working Pressure: 0 to 7bar;
Cooling medium: Dielectric coolant
- 7.Weight of cable: app 2.3 kg/m Weight of charging connector: app 3.5 kg/EA
- 8.T-rise depends on flow rate and chiller, Detailed technical data please refer to MCS Technical Data Sheet.
- 9.For HV 1.5KV Metering wires: Please protect with insulated material
at the tail if don't use both wires

⑩	C210021008	SINGLE-WALL H.S.T: Ø8 WHITE	0.12	m
⑨	C2100054031	SINGLE-WALL H.S.T: Ø8.0 BLACK	0.35	m
⑧	C210000080	SINGLE-WALL H.S.T: Ø5.0 BLACK	0.70	m
⑦	P01BN01497	TUBING PIPE,OD=8,ID=6	2.1	m
⑥	C210006511	SINGLE-WALL H.S.T: Ø12.7 WHITE	0.21	m
⑤	C210006837	SINGLE-WALL H.S.T: Ø3.2 WHITE	0.22	m
④	P02B000572	CABLE GLAND WITH SR	1	EA
③	P02B00070501	TERMINAL ASSEMBLY OF DC WIRE,M8	4	EA
②	CABLE	4x35mm ² +1x25mm ² +8x0.5mm ² +2x0.75mm ² Black OD42±1	AR	m
①	HVCO4M2011	MCS 1500A CONNECTOR BLACK WITH SR-REPLACEABLE	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

SIZE	DWG NO.	REV
A3	C-HVCO4M2011LXXXX	1
SCALE	NTS	SHEET 2 OF 2