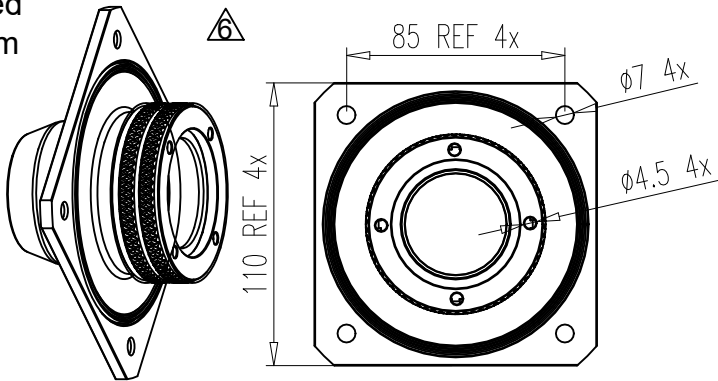
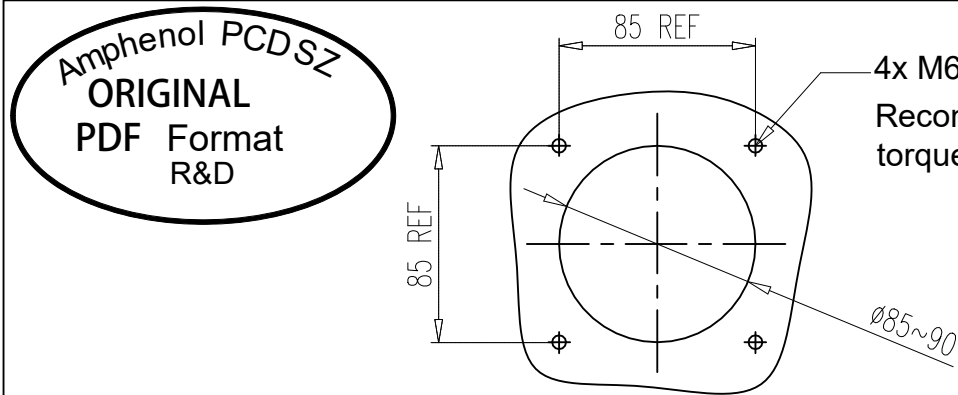


CHVCO4M1001LXXXX

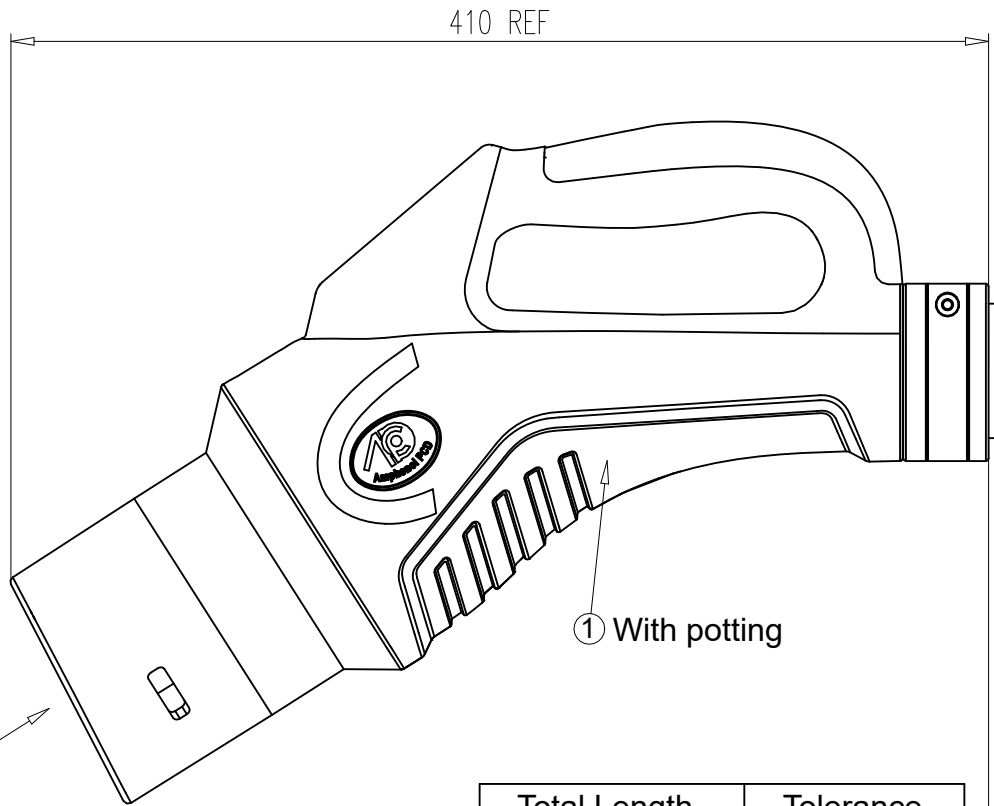
REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PER RELEASE	Nov-10-2023	
2	R7957N	UPDATED LABEL TEXT ON METERING WIRES&NOTES	Mar-29-2024	
3	C7806N	UPDATED NOTES	Apr-28-2024	
4	R8148N	UPDATED BUSBAR	Jun-05-2024	
5	C8768N	UPDATED DRAWING	Jan-07-2025	

6	R09320	UPDATED CABLE GLAND	Aug-12-2025	
7	R09663	CABLE UPGRADE	Oct-27-2025	
8	C09663	UPDATED MARKING&IPCLASS	Aug-10-2026	

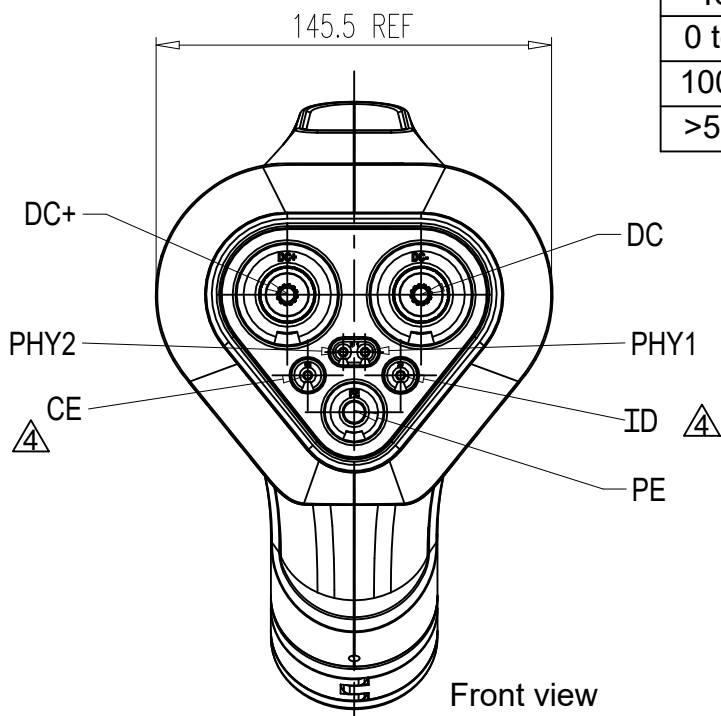


Cable gland
Panel drilling

Cable gland

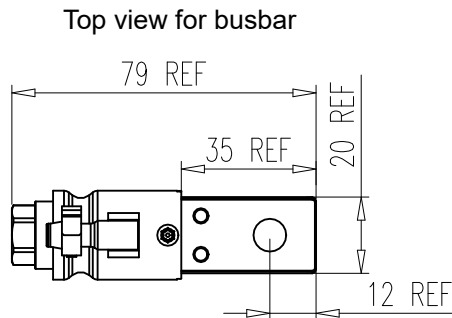


Front view

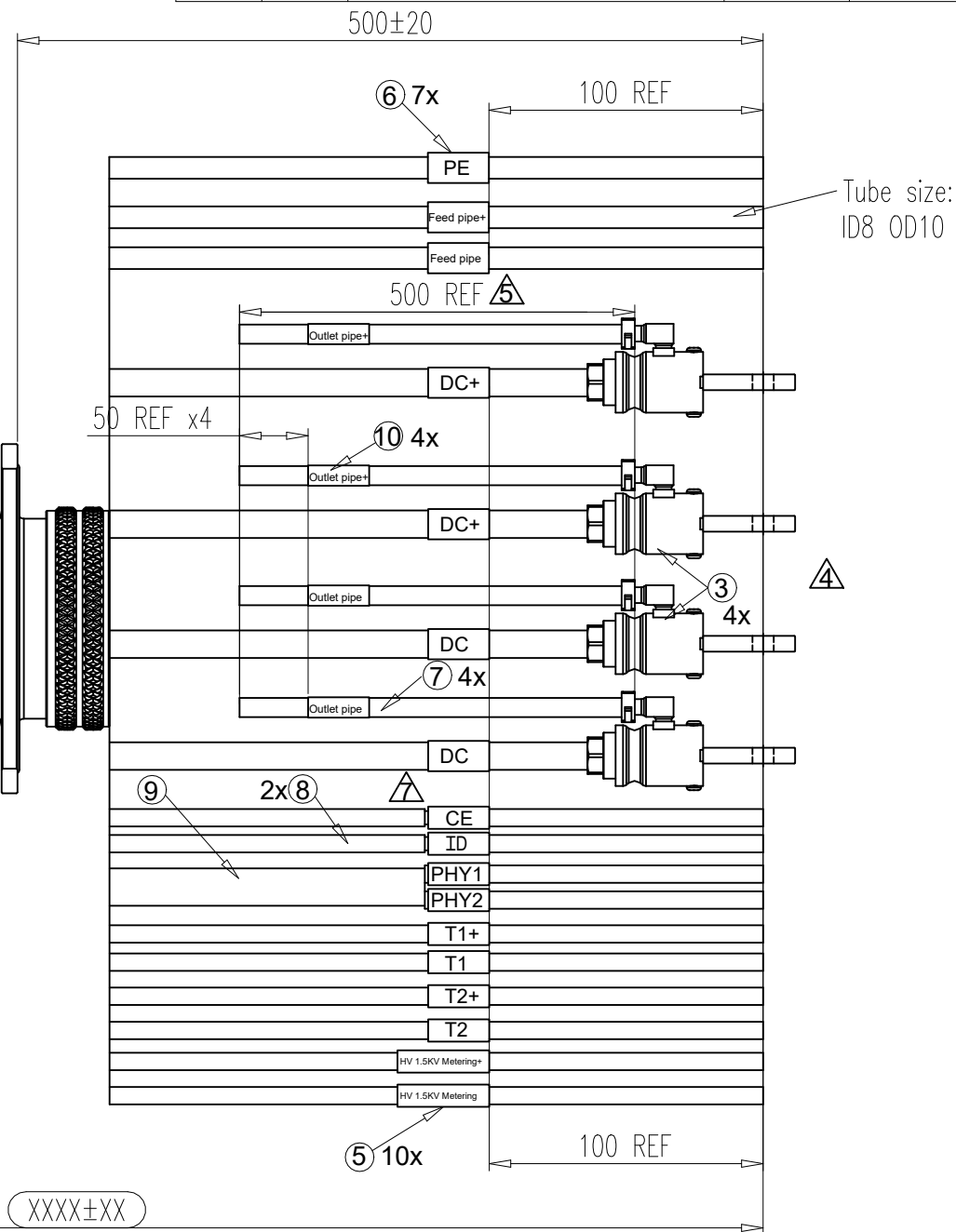


Front view

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



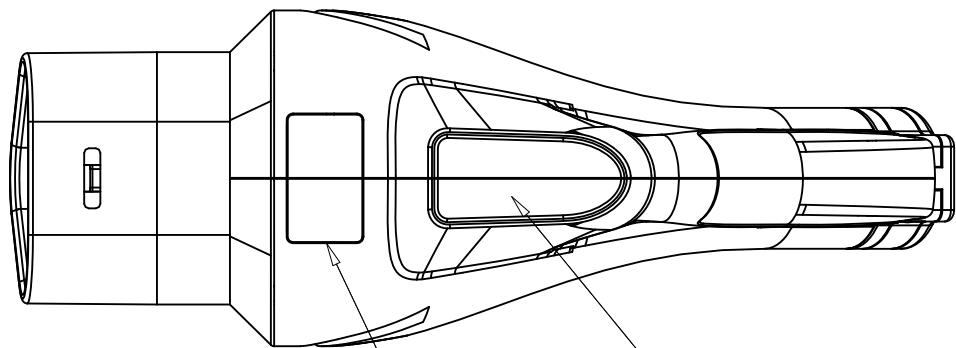
Top view for busbar



Tube size:
ID8 OD10

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen		TITLE			
ANSI Y14.5M	.X ± 0.50				MCS 1500A VEHICLE CONNECTOR CABLE ASSEMBLY			
UNITS: MM	.XX ± 0.05		ENGR					
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	CHVCO4M1001LXXXX	8	
								SCALE 1:1

Marking



TYPE:HVCO4M1001LXXXX
Rated:200A Without coolant
1500A With coolant
1500V DC
A&T:-40°C~+50°C
T/N:XXXXXXXX YYWW
IP55(Mated) / Type 3S

UKCA

us

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:HVCO4M1001L5000#XXXXXX#XXXX)

*Notes:

1.Cable Assembly Data:

- ✦ Rated Voltage: 1500V DC (DC+, DC-, Metering wires), 30V DC (CE, ID, PHY1, PHY2);
- ✦ Rated Current: 1500A Max (DC+, DC-) @ the max permissible temperature of contact is 100°C
the max permissible temperature of cable is 85°C;
- 2A Max (PHY1, PHY2), 10A Max (CE, 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)
- ✦ RoHS Compliance

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

Storge temperature: -40°C to +80°C

3.MCS Plug reference: C-HVCO4M1001

4.Cable Minimum Bending Radius: ≥10 OD DC+ and DC- Minimum Bending Radius: ≥200mm

5.Durability: ≥ 20000 cycles

6.Working Pressure: 0 to 7bar;

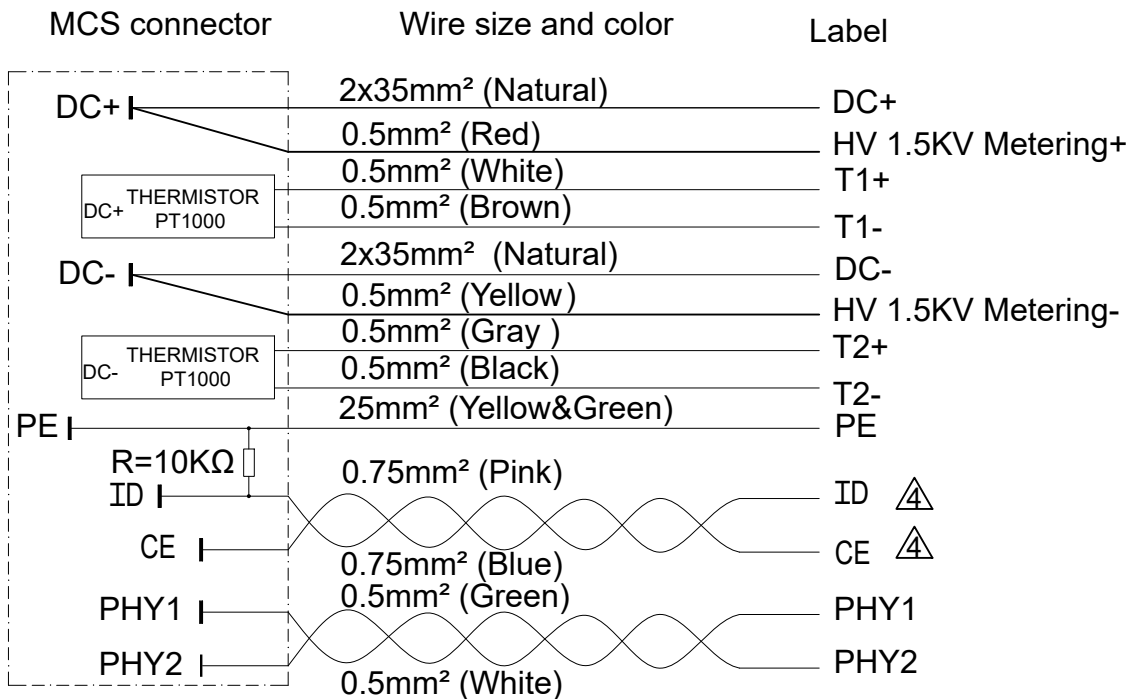
Cooling medium: Dielectric coolant

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

Mode of Connection



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	1	EA
③	P02B00070501	TERMINAL ASSEMBLY OF DC WIRE,M8	4	EA
②	P01BC00512	4x35mm ² +1x25mm ² +8x0.5mm ² +2x0.75mm ² Black OD42±1	AR	m
①	HVCO4M1001	MCS 1500A COOLING VEHICLE CONNECTOR BLACK	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

SIZE	DWG NO.	REV
A3	C-HVCO4M1001LXXXX	8
SCALE	NA	SHEET 2 OF 2