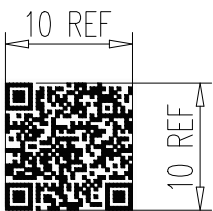
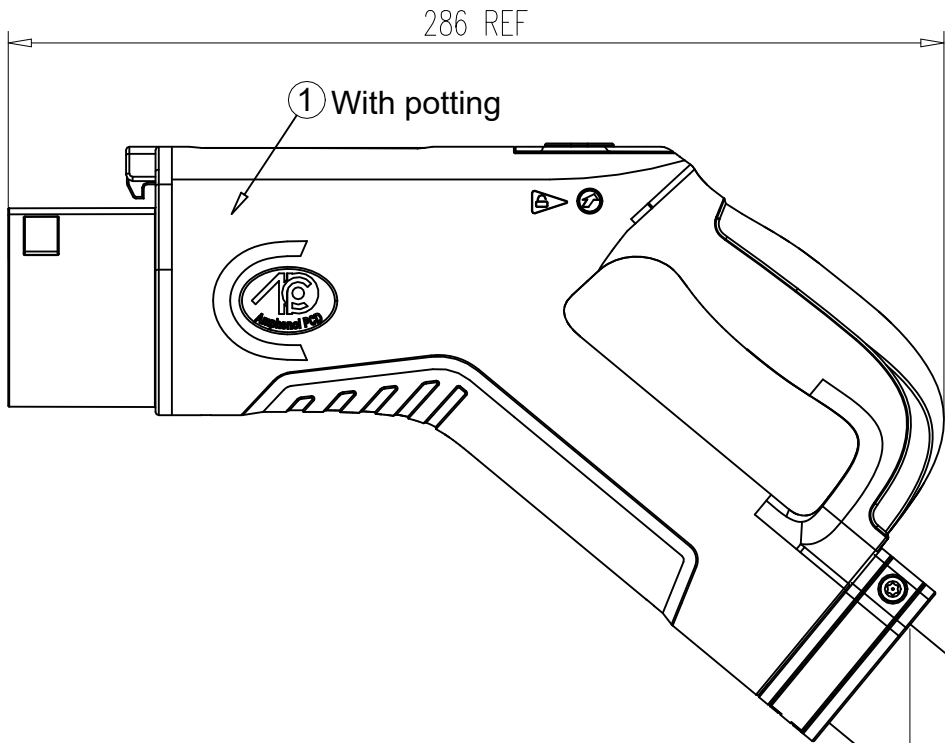
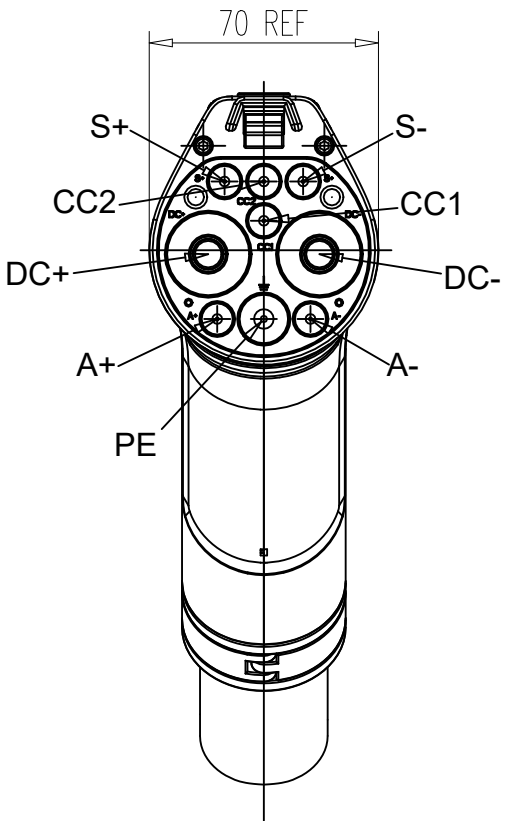
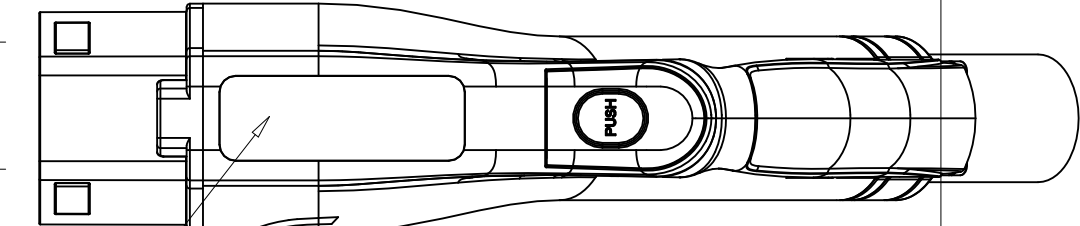


REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Aug-08-2025	
2	C09597	UPDATED DRAWING	Oct-25-2025	
3	C09793	CORRECT TYPO	Jan-05-2026	

Amphenol PCD SZ
ORIGINAL
PDF Format
R&D



QR code Content including:
Part number
#Work order number
#Serial number ex:0001
(ex:HVCOGBM600AL5000#XXXXXX#XXXX)



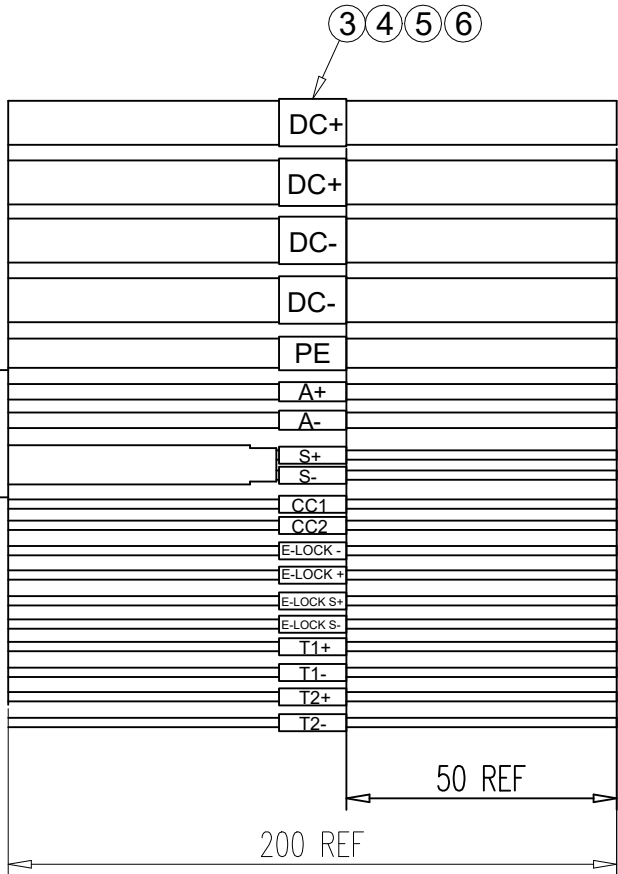
Laser marking

型号: HVCOGBM600ALXXXX
额定电压: 1000VDC/峰值电流: 600A@15分钟(25°C)
防护等级: IP67(腔体) /IP55(插合) /IP2XB
T/N: XXXXXXXX YYWW 额定电流: 300A

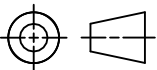


T/N: XXXXXXXX YYWW
YYWW: Year/Week
XXXXXXX: Work order number+batch number

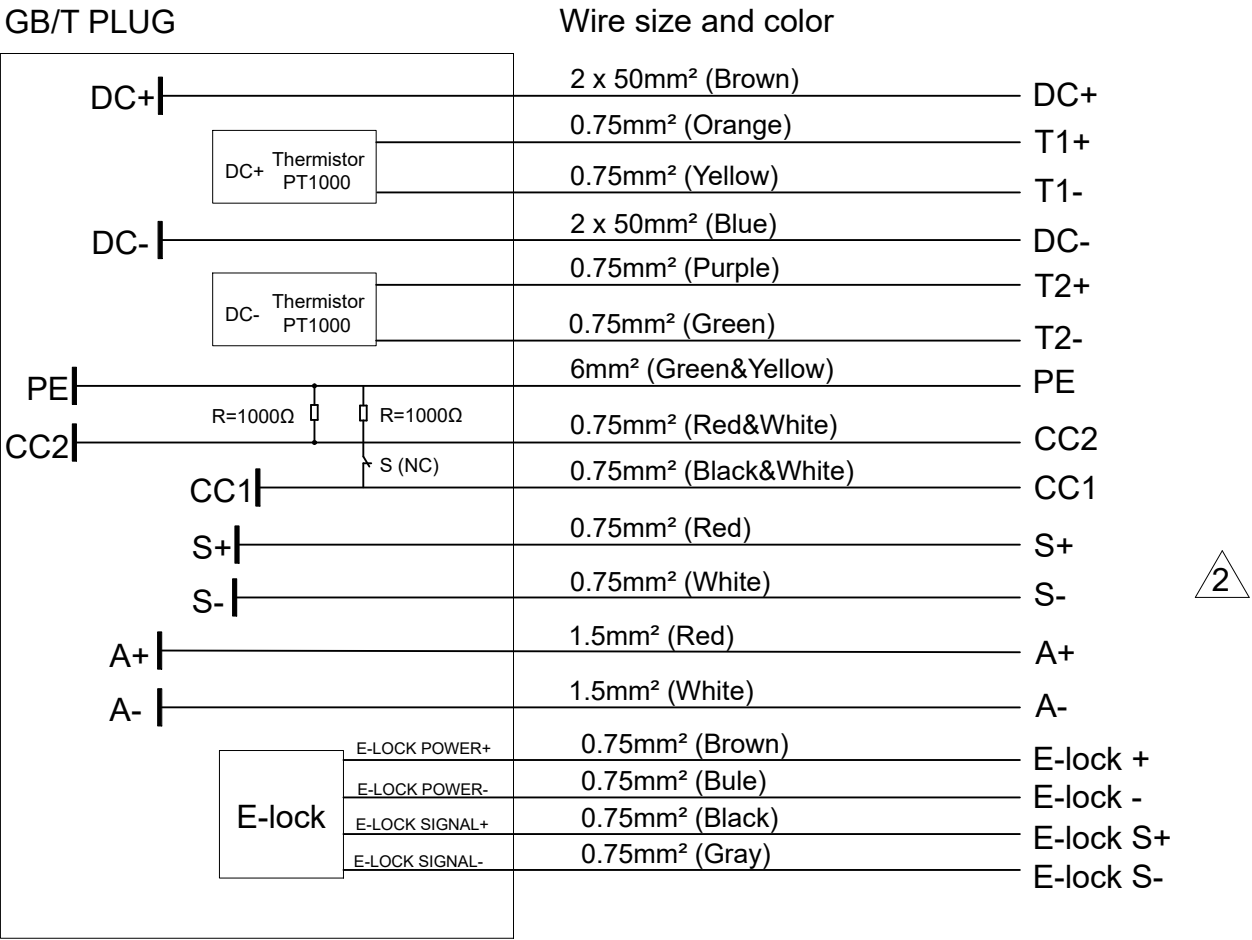
LENGTH	TOLERANCE
1 to 1000mm	±50
1001 to 5000mm	±100
>5000mm	±200



(LXXXX±XX)

DIMENSIONS ANSI Y14.5M UNITS: MM	TOLERANCES .X ± 0.5 .XX ± 0.05 ANGLES ±2.0°	PROJECTION 	Amphenol PCD Shenzhen		TITLE GEN2 GB/T CONNECTOR 600A 1000V 4X50MM² CABLE ASSEMBLY			
			ENGR					
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	C-HVCOGBM600ALXXXX		3
						SCALE		SHEET

MODE OF CONNECTION



- *Notes:
1. Cable Assembly Data:

Storage temperature: -40°C to +80°C

Ambient Temperature: -40°C to +50°C, (+55°C max,

Current reduction required, when the working

temperature is beyond 90°C)

✦ Rated Voltage: 1000V DC (DC+, DC-); 30V DC (A+, A-, CC1, CC2, S+, S-);

✦ Rated Current: CC1, CC2, S+, S-: 2A Max; A+,A-: 20A Max

DC+, DC-: 600A / 15 minutes max@RT;

(Current reduction required, when the working temperature is beyond 90°C)

✦ Insulation Resistance: DC 1000V 100MΩ Min (DC+, DC-, PE)

DC 500V 100MΩ Min (A1+, A-, S+, S-, CC1, Thermistor wires);

✦ Withstand Voltage: 3000V AC (DC+, DC-, PE);

500V AC (A1+, A-, S+, S-, CC1, Thermistor wires);

✦ IP-Class: IP55(mated); IP67 (enclosure/initial)

◎ Durability: 20000 cycles

✦ RoHS Compliance
2. E-lock: 12V DC±10%, ≤250mA
3. GB/T Plug reference: C-HVCOGBMXXXAL0000
4. GB/T20234.1,GB/T20234.3
5. Cable minimum bending radius: 10 OD

⑥	P05B000007	SINGLE-WALL H.S.T: Ø6.0 BLACK	0.13	m
⑤	C210000081	SINGLE-WALL H.S.T: Ø5.0 WHITE	0.02	m
④	C210006837	SINGLE-WALL H.S.T: Ø3.2 WHITE	0.28	m
③	C210006511	SINGLE-WALL H.S.T: Ø12.7 WHITE	0.08	m
②	CABLE	4*50mm ² +6mm ² +2*1.5mm ² +12*0.75mm ² ,BLACK,OD=38.5±1	AR	m
①	HVCOGBM600AL0000	GB/T CONNECTOR BLACK 600A 1000V	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT
		SIZE	DWG NO.	REV
		A3	C-HVCOGBM600ALXXXX	3
		SCALE	SHEET	2 OF 2