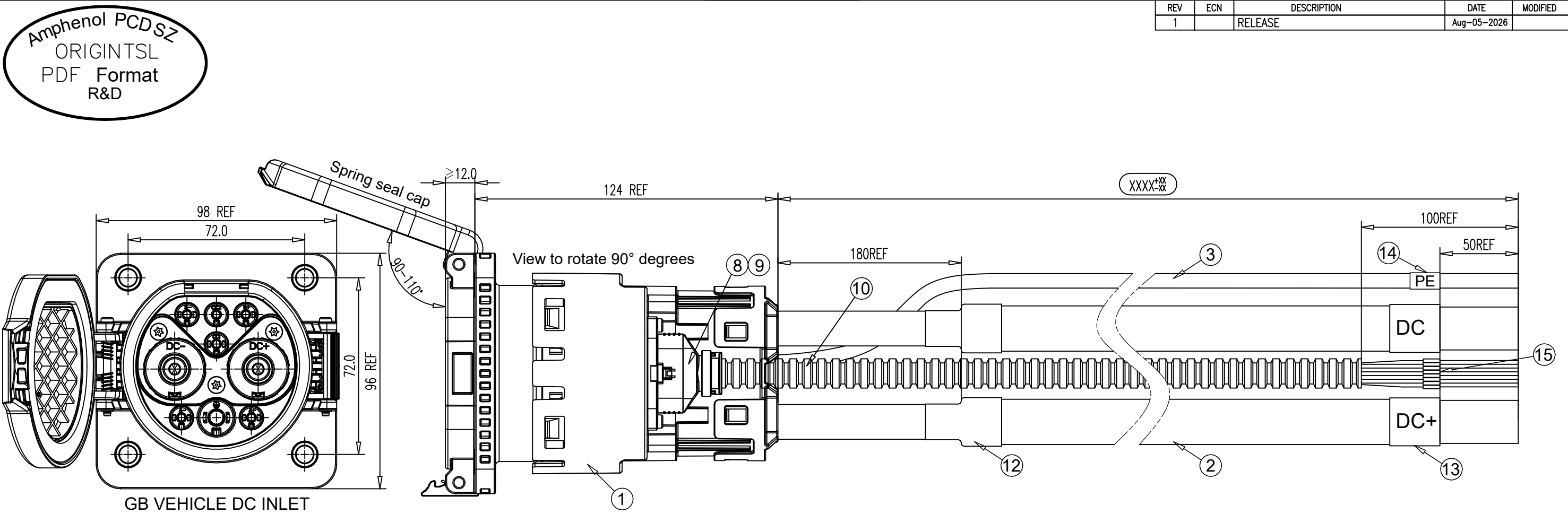


REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Aug-05-2026	



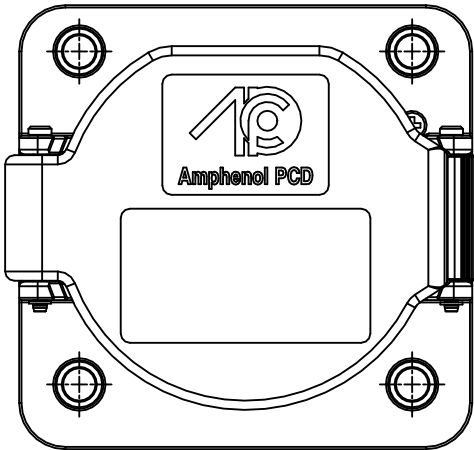
安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen

受 控 文 件

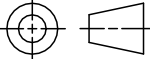
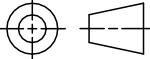
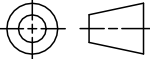
2026年8月6日

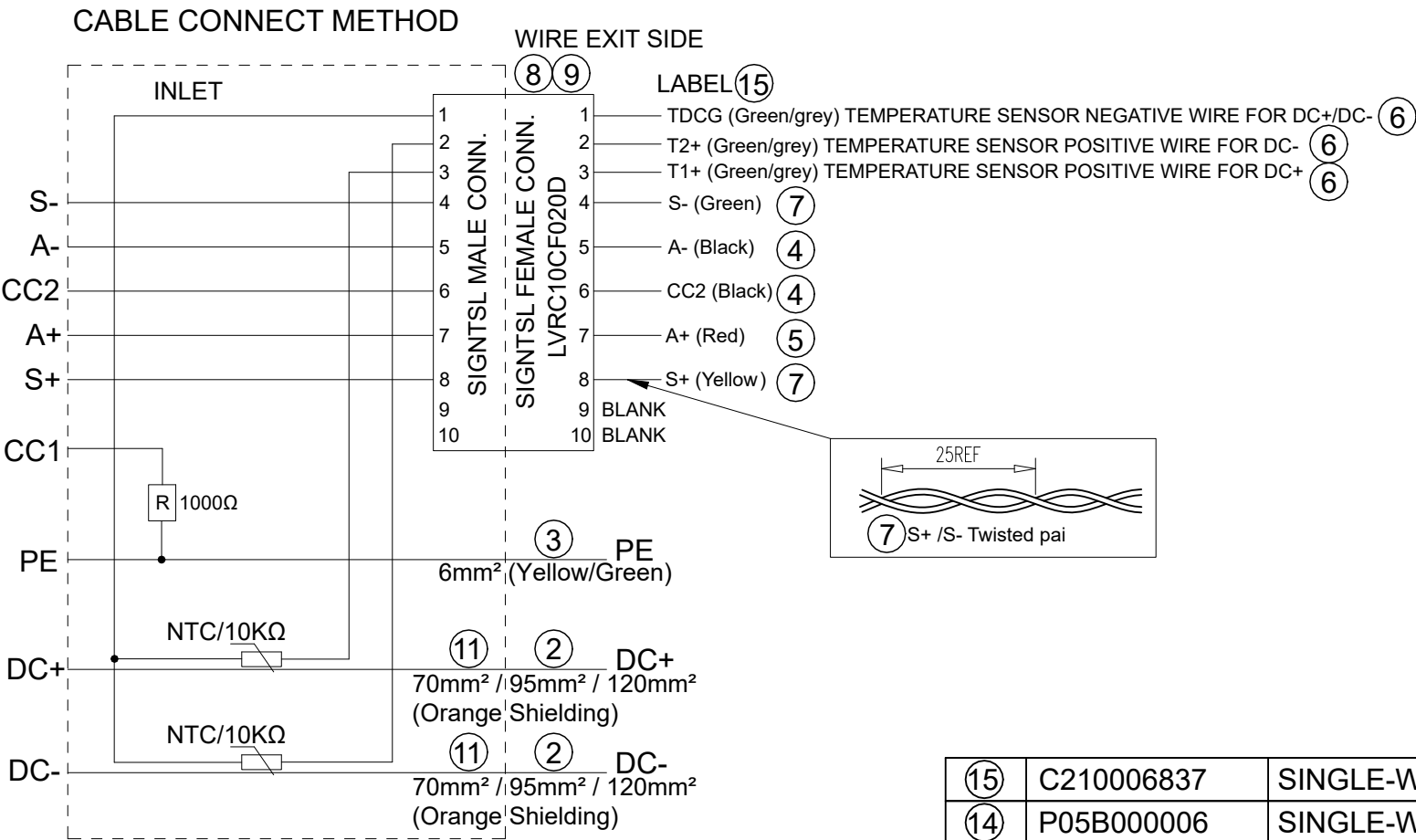
HVCOGF XXX F L XXXX

P/N	CABLE	LENGTH	TOLERANCE
070	70mm ²	0~1000mm	+25 10
095	95mm ²	1001~5000mm	+40 10
120	120mm ²	>5000mm	+50 20



CAP CLOSED

DIMENSIONS	TOLERANCES	PROJECTION	TITLE				
ANSI Y14.5M	.X ± 0.5		GB Vehicle DC Inlet				
UNITS: MM	.XX ± 0.05		Replaceable Terminal				
CAD FILE	ANGLES ± 2.0°		DC 1000V Cable Assembly				
ORIGINTSL	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		Amphenol PCD Shenzhen				
			ENGR				
ORIGINTSL	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 HVCOGFXXXFLXXXX	1	
			SCALE		NTS	SHEET	1 OF 2



安费诺精密连接器(深圳)有限公司
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2026年8月6日

*Notes:

1. Cable assembly data:

✦ Rated Voltage and Current:

1000V DC / 300A (DC+, DC-) For 70mm²;
1000V DC / 300A, 400A Max (DC+, DC-) For 95mm²;
1000V DC / 300A, 500A Max (DC+, DC-) For 120mm²;
Charging current >300A: liquid-cooled charging gun recommended.
Derate charging current above 90°C.

30 V DC / 2A Max (S+, S-, A+, A-, CC2, CC1);

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

100MΩ Min DC 500V (S+, S-, A+, A-, CC2, CC1)

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

500V AC (S+, S-, A+, A-, CC2, CC1)

✦ IP-Class: IP54 (CAP Closed)

IP55 (Mated)

IP67 (Inside Crimp)

◎ Durability: ≥10000 cycles (GB Plug)

Insertion&Withdrawal force: <140N (GB Plug)

✦ RoHS Compliance;

Ambient Temperature: -30°C to +50°C.

2. GB Inlet Reference: C-HVCOGFXXXF

3. GB Inlet Reference Standard: GB/T 20234.1, GB/T 20234.3

4. The cable should be fixed at 100mm max from the rear of connector

5. Cable Minimum Bending Radius: ≥5*OD

⑮	C210006837	SINGLE-WALL H.S.T: Ø3.2mm WHITE	0.15	m
⑭	P05B000006	SINGLE-WALL H.S.T: Ø6.0mm WHITE	0.03	m
⑬	C210004341	SINGLE-WALL H.S.T: Ø25mm WHITE FOR 95mm ² /120mm ²	0.10	m
	C210004340	SINGLE-WALL H.S.T: Ø20mm WHITE FOR 70mm ²		
⑫	C210006502	DOUBLE-WALL H.S.T Ø25mm BLACK FOR 95mm ² /120mm ²	0.16	m
	C210006501	DOUBLE-WALL H.S.T Ø20mm BLACK FOR 70mm ²		
⑪	P05B000021	SINGLE-WALL H.S.T: Ø25mm BLACK FOR 95mm ² /120mm ²	0.10	m
	C2100054203	SINGLE-WALL H.S.T: Ø20mm BLACK FOR 70mm ²		
⑩	P05Z000089	CONVOLUTED TUBING BLACK: 8.5*11.5mm	AR	m
⑨	P01BS00025	SIGNTSL TERMINAL: P01BS00025 FOR 0.5-0.75mm ²	8	EA
⑧	LVRC10CF020D	SIGNTSL CONNECTOR: LVRC10CF020D 10POS	1	EA
⑦	P01BC00564	0.5mm ² TWISTED PAIR YELLOW/GREEN XLPE OD1.6±0.1	AR	m
⑥	P01BC00159	1C*0.75mm ² UNSHIELDING, GREEN/GREY, XLPE, OD1.8±0.1	AR	m
⑤	P01BC00187	1C*0.75mm ² UNSHIELDING, RED, XLPE, OD1.8±0.1	AR	m
④	P01BC00186	1C*0.75mm ² UNSHIELDING, BLACK, XLPE, OD1.8±0.1	AR	m
③	C210030042	1C*6mm ² UNSHIELDING YELLOW/GREEN OD5.1±0.2	AR	m
②	P01BC00254	1C*120mm ² SHIELDING, ORANGE, XLPE, ID18.4±0.4, OD22.6±0.4	AR	m
	P01BC00245	1C*95mm ² SHIELDING, ORANGE, XLPE, ID16.5±0.4, OD20.5±0.3		
	P01BC00580	1C*70mm ² SHIELDING, ORANGE, XLPE, ID15.5±0.3, OD19.5±0.5		
①	HVCOGFXXXF	GB VEHICLE DC INLET: HVCOGFXXXF NTC/10KΩ	1	EA
ITEM	P/N	DESCRIPTION	QTY	UNIT

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