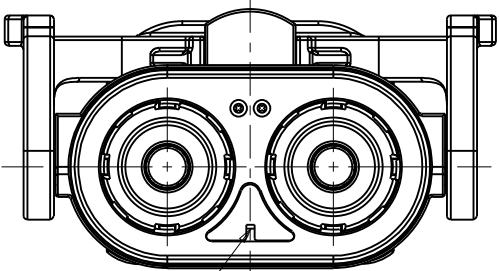


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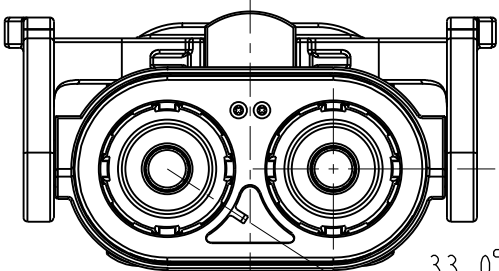
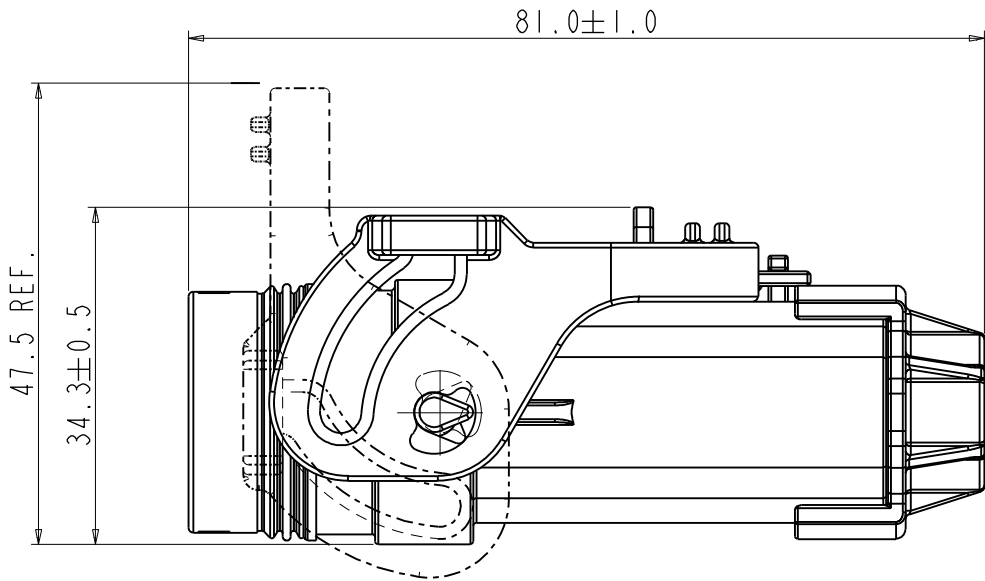
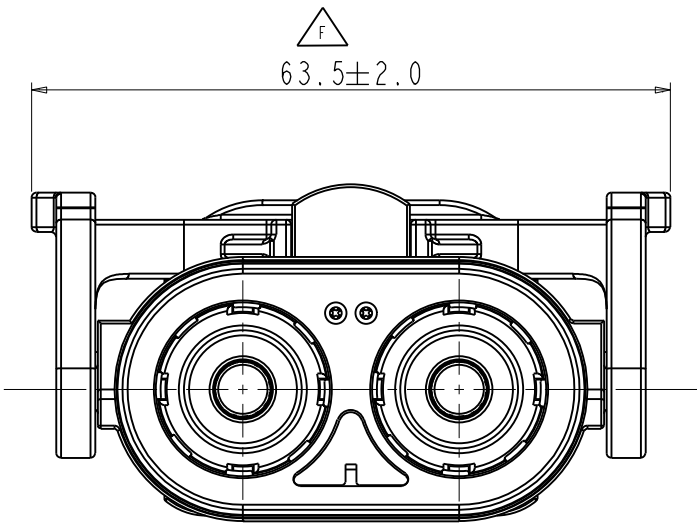
受 控 文 件

2025年6月10日

REV	ECN	DESCRIPTION	DATE	MODIFIED
C	R3409N	SIZE CHANGE OF STERN COVER	2019.08.14	DICK.RAO
D	R4010W	ADJUST THE DATA/CORRECT THE ERROR	2019.12.25	LEON.YANG
E	R5559W	UPDATE TECHNICAL DATA AND ERROR DESCRIPTION	2021.06.29	LEON.YANG
F	R09083N	ADJUST THE DATA ACCORDING TO PHYSICAL PRODUCT	May-28-2025	Flame



KEY
HVSL 600 06 2 A
CODING A



HVSL 600 06 2 B
CODING B

NOTES:

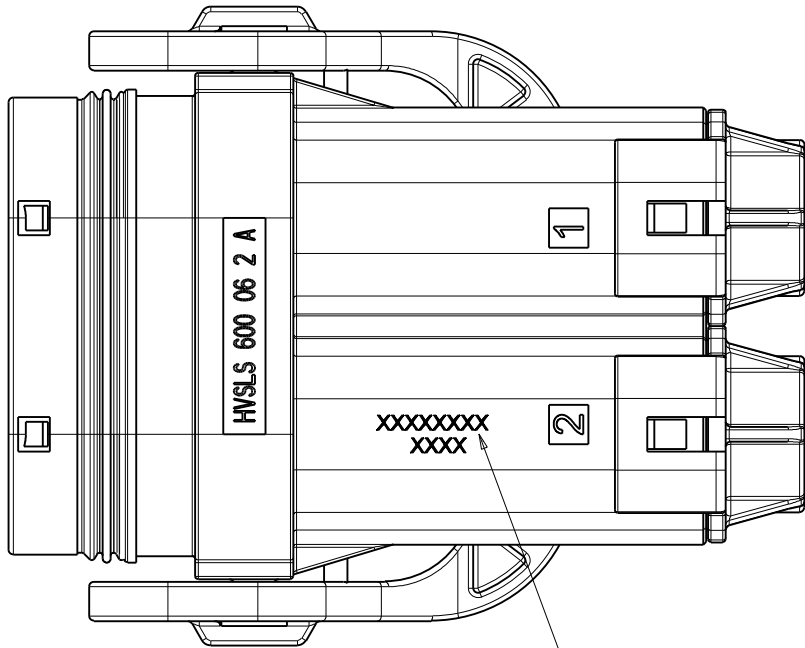
1. MATERIAL & FINISH:

- △ BODY: ZINC ALLOY COLOR ZINC PLATED
POWER CONTACT: COPPER ALLOY SILVER PLATED
HVIL CONTACTS: COPPER ALLOY GOLD PLATED
SEAL RING: SI

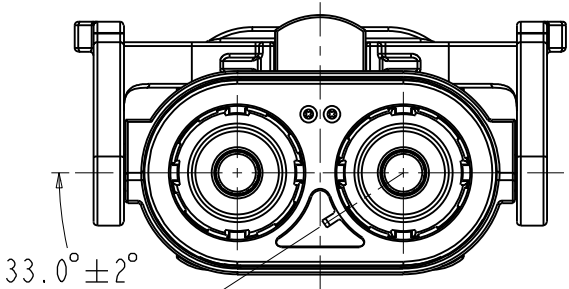
2. PART NUMBER DESCRIPTION:

HVSL 600 06 2 X X XX

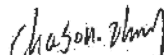
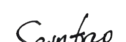
- A: CODING A 0: WITHOUT HVIL 25: CROSS-SECTION 25mm²
B: CODING B 1: WITH HVIL SHIELDING WIRE OD=11.9 ± 0.3mm
C: CODING C 16: CROSS-SECTION 16mm²
SHIELDING WIRE OD=11.2 ± 0.25mm

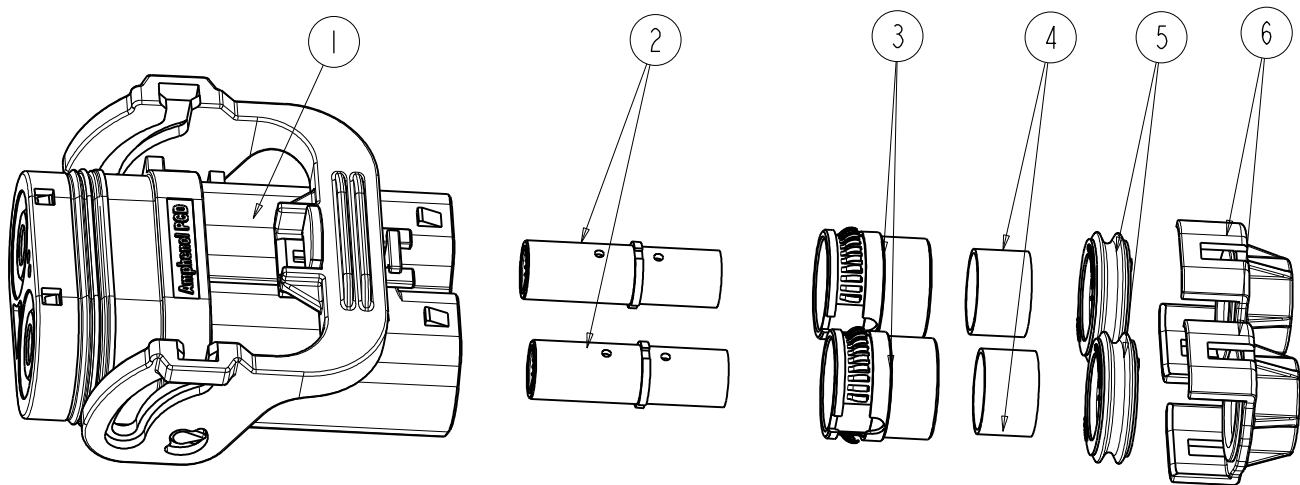


△ F TRACEABILITY NUMBER



HVSL 600 06 2 C
CODING C

DIMENSIONS	TOLERANCES	PROJECTION	Amphenol PCD Shenzhen		TITLE STRAIGHT PLUG 2PIN 80-120A CABLE 16-25mm^2			
ANSI Y14.5M	.X ±0.5		ENGR					
UNITS: MM	.XX ±0.05		LEON.YANG	2016.12.21				
Pro/E 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		SIZE	DWG NO.	REV	
			APPD		A3	C-HVSL5600062XXXX	F	
						SCALE: 3:2	SHEET 1 OF 2	



HVSL600062XIXX (WITH HVIL)	6	C2200036952	16mm^2	END CAP (WIRE OD=11.2 ± 0.25mm)	2
		C2200036951	25mm^2	END CAP (WIRE OD=11.9 ± 0.3mm)	2
	5	C2700036492	16mm^2	CABLE SEAL (WIRE OD=11.2 ± 0.25mm)	2
		C2700036491	25mm^2	CABLE SEAL (WIRE OD=11.9 ± 0.3mm)	2
	4	C200003641	25mm^2	INNER FERRULE	2
		P03BM00326	16mm^2	INNER FERRULE	2
	3	C420003618	N/A	16mm^2 AND 25mm^2 OUTER FERRULE	2
	2	C4200036172	16mm^2	SOCKET CONTACT ASSEMBLY	2
		C4200036171	25mm^2	SOCKET CONTACT ASSEMBLY	2
	1	SEE TABLE 1	N/A	MAIN BODY & WITH HVIL	1
ASSEMBLY P/N	ITEM	COMPONENT P/N	CABLE SIZE	DESCRIPTION	Q'TY

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

受 控 文 件

2025年6月10日

TABLE 1
HVSL600062XI SELECTION:

MAIN BODY P/N	KEY X
HVSL600062A1	KEY A
HVSL600062B1	KEY B
HVSL600062C1	KEY C

TABLE 2
HVSL600062X0 SELECTION:

MAIN BODY P/N	KEY X
HVSL600062A0	KEY A
HVSL600062B0	KEY B
HVSL600062C0	KEY C

TECHNICAL DATA		
CURRENT RATE (25MM^2 CABLE)	120A @ AMBIENT 70°C	✦
CURRENT RATE (16MM^2 CABLE)	80A @ AMBIENT 70°C	✦
CURRENT RATE (0.5MM^2 CABLE)	5A @ AMBIENT 70°C	✦
RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1000V DC	✦
DIELECTRIC WITHSTANDING VOLTAGE	POWER PIN:3000V AC(RMS)	✦
	HVIL PIN:660V AC(RMS)	
INSULATION RESISTANCE	200MΩ MIN. @25°C NO CABLE	✦
DURABILITY	50 CYCLES	◎
SHIELDING	YES	
WATERPROOF (MATED CONDITION)	IP67、IP6K9K	✦
PROTECTION LEVEL(UNMATED)	IP2XB	✦
OPERATING TEMPERATURE	-40 TO 125°C	
AMBIENT TEMPERATURE	-40 TO 70°C	
RoHS COMPLIANCE	YES	✦

✦ :CRITICAL CHARACTERISTICS
◎ :IMPORTANT CHARACTERISTICS

HVSL600062X0XX (WITHOUT HVIL)	6	C2200036952	16mm^2	END CAP (WIRE OD=11.2 ± 0.25mm)	2
		C2200036951	25mm^2	END CAP (WIRE OD=11.9 ± 0.3mm)	2
	5	C2700036492	16mm^2	CABLE SEAL (WIRE OD=11.2 ± 0.25mm)	2
		C2700036491	25mm^2	CABLE SEAL (WIRE OD=11.9 ± 0.3mm)	2
	4	C200003641	25mm^2	INNER FERRULE	2
		P03BM00326	16mm^2	INNER FERRULE	2
	3	C420003618	N/A	16mm^2 AND 25mm^2 OUTER FERRULE	2
	2	C4200036172	16mm^2	SOCKET CONTACT ASSEMBLY	2
		C4200036171	25mm^2	SOCKET CONTACT ASSEMBLY	2
	1	SEE TABLE 2	N/A	MAIN BODY & WITHOUT HVIL	1
ASSEMBLY P/N	ITEM	COMPONENT P/N	CABLE SIZE	DESCRIPTION	Q'TY

SIZE	DWG NO.	REV
A3	C-HVSL600062XXXX	F
SCALE: 1:1		SHEET 2 OF 2