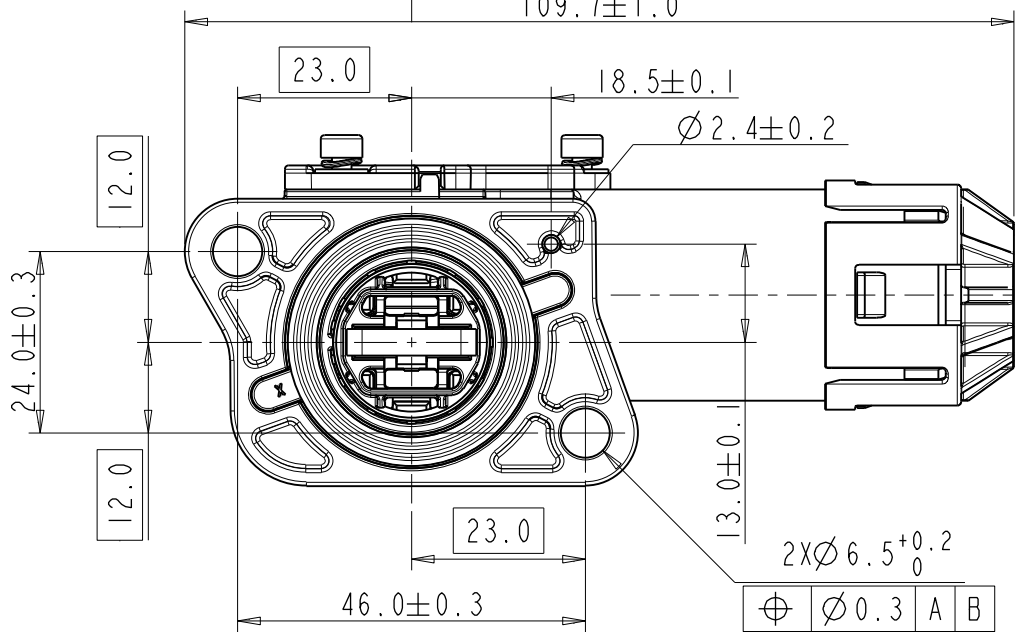
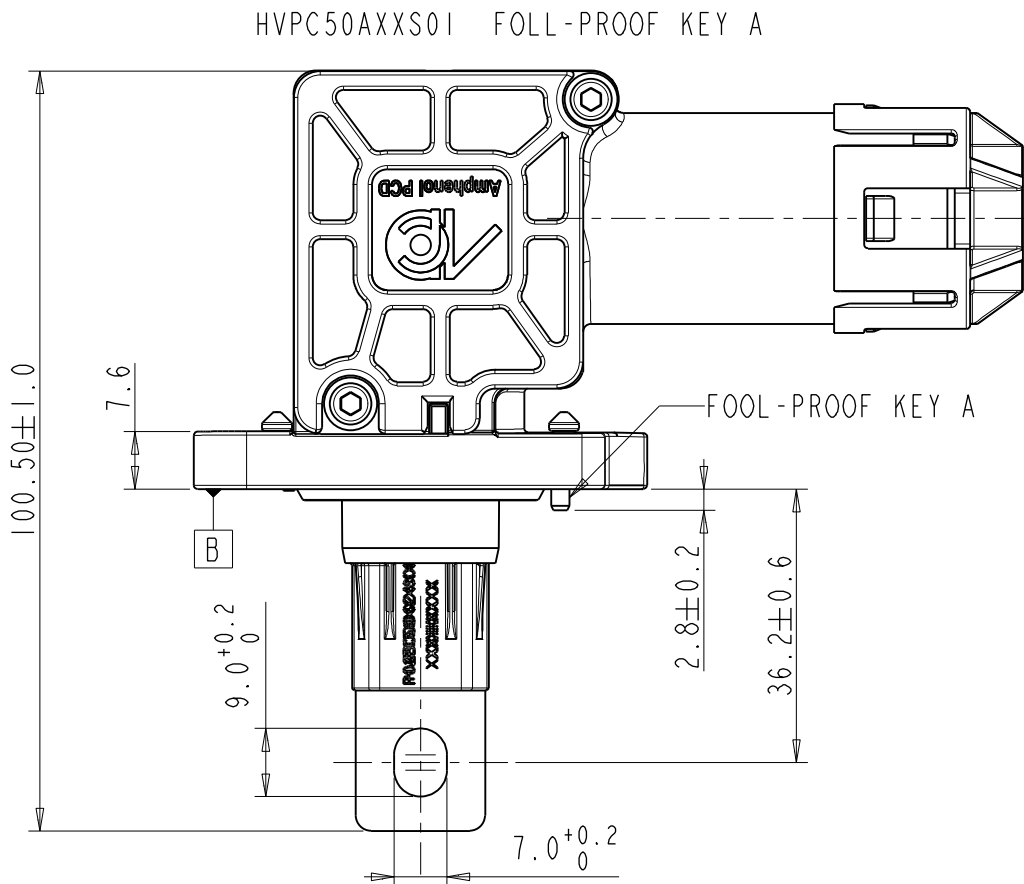
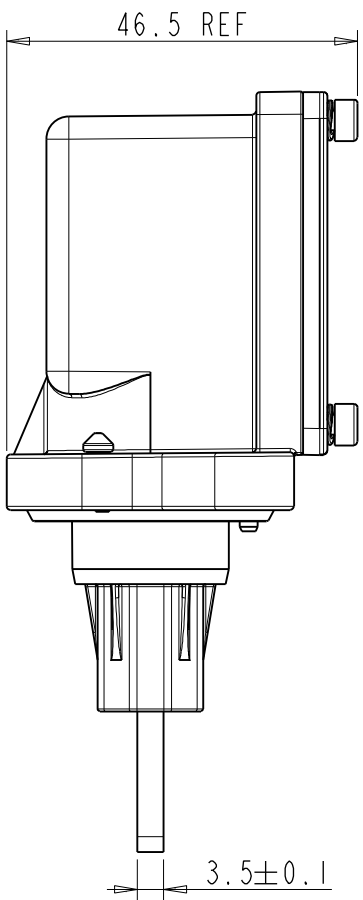
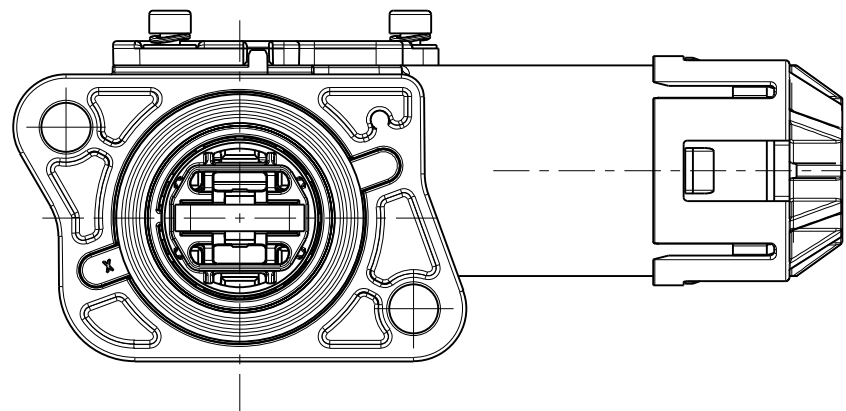
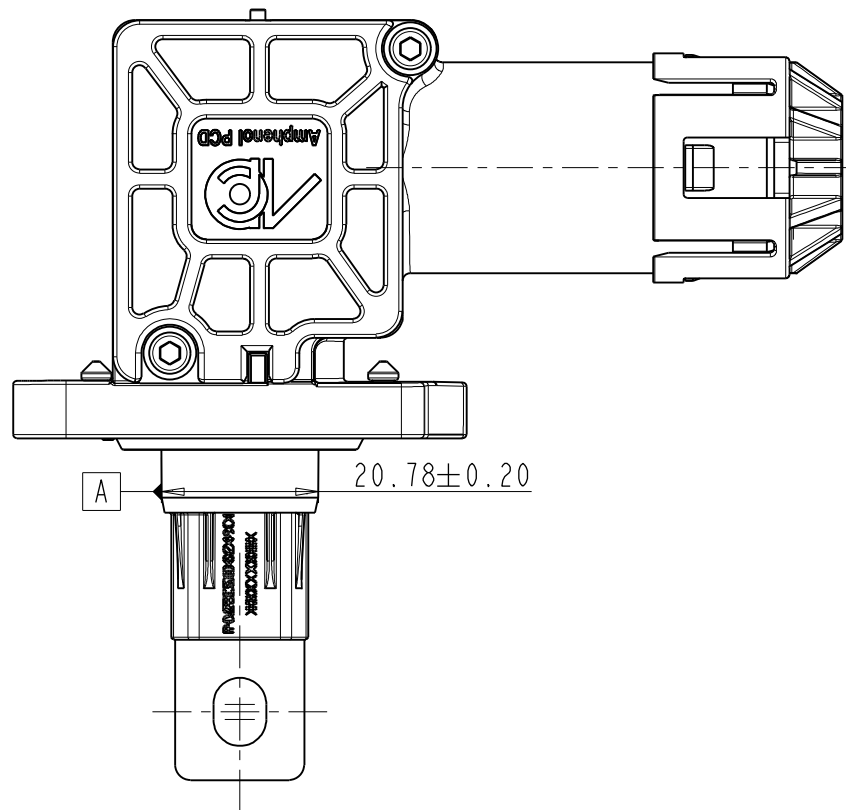


Amphenol PCDs
ORIGINAL
PDF Format
R&D



REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE- RELEASE	Jul-05-2023	
2	R7286N	ADD RIBS ON THE COVER	Jul-25-2023	
3	R7423N	CHANGE THE PRINT DIRECTION	Sep-11-2023	
4	R8066N	ADD 25MM^2 CABLE	May-08-24	

HVPC50NXXS01 NO FOLL-PROOF KEY



1. TECHNICAL DATA

TECHNICAL DATA		
CURRENT RATE (50MM^2 SHIELD CABLE)	250A @ AMBIENT 85°C	+
CURRENT RATE (35MM^2 SHIELD CABLE)	150A @ AMBIENT 85°C	+
CURRENT RATE (25MM^2 SHIELD CABLE)	120A @ AMBIENT 85°C	+
RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1000V DC	+
OPERATING TEMPERATURE	-40~140°C	
DIELECTRIC WITHSTANDING VOLTAGE	3000V AC(RMS)	+
INSULATION RESISTANCE	200MΩ MIN.@25°C	+
LOCK TIMES	10 MIN	◎
SHIELDING	YES	
WATERPROOF (MATED CONDITION)	IPX7 & IP6K9K	+
PROTECTION LEVEL(MATED)	IPXXD	+
AMBIENT TEMPERATURE	-40~85°C	
RoHS&REACH	YES	+

DIMENSIONS	TOLERANCES	PROJECTION	TITLE							
ANSI Y14.5M UNITS: MM Pro/E FILE	.X ±0.5 .XX ±0.05 ANGLES ±2°		HVPC50 CONTACT							
			ENGR							
			Jul-05-2023							
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	
					A3		C-HVPC50XXXS01		4	
			APPD							
					SCALE: 1:2		SHEET 1 OF 2			

2.HOW TO ORDER

TABLE 1:

KEY CODE	DESCRIPTION	4# PART
N	NO KEY	P02B000424
A	A KEY	P02B00042401

HVPC50

X

XX

S01

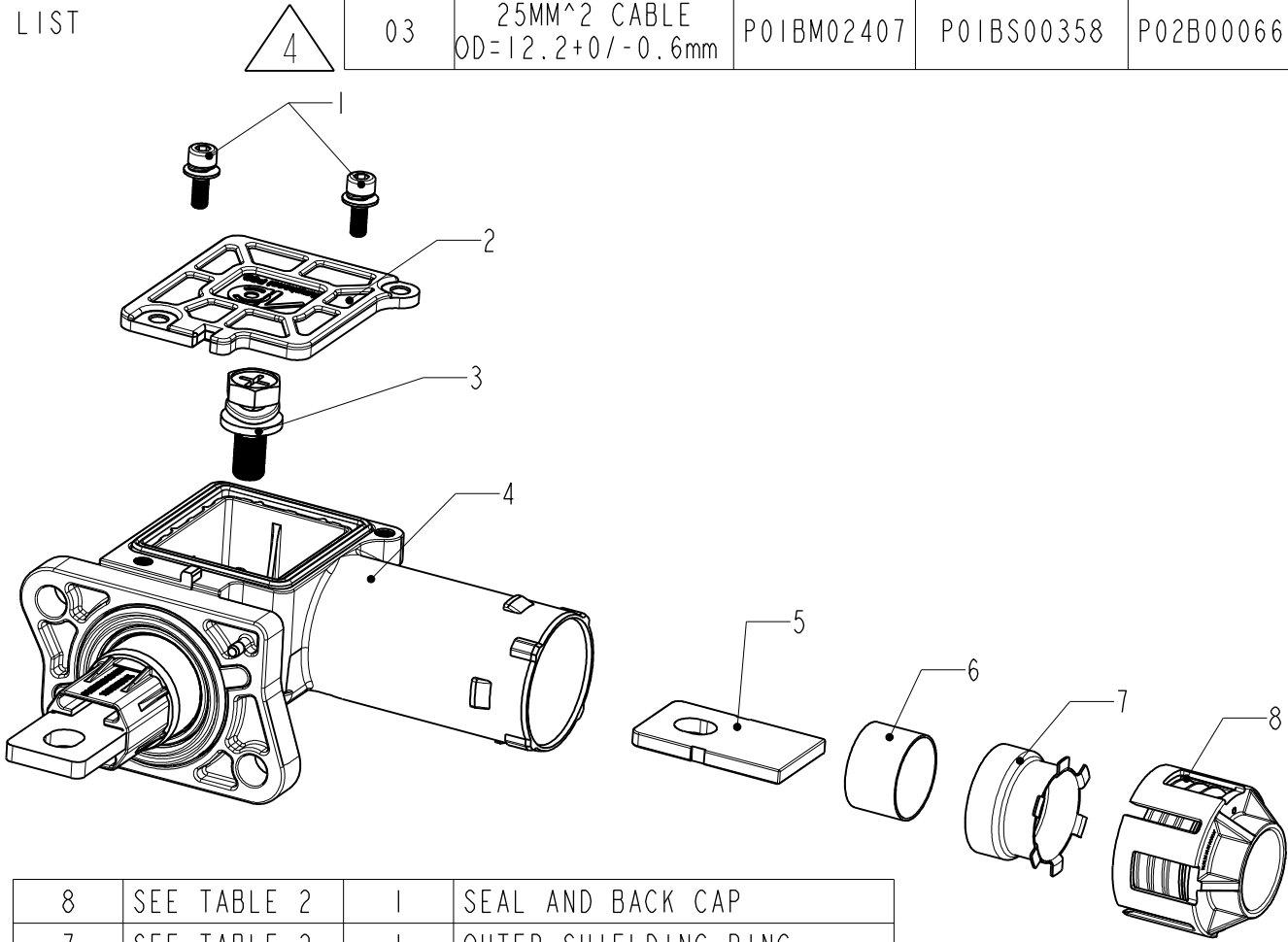
TERMINAL TYPE

CABLE SIZE:
01: 50MM^2 CABLE
02: 35MM^2 CABLE
03: 25MM^2 CABLE

TABLE 2:

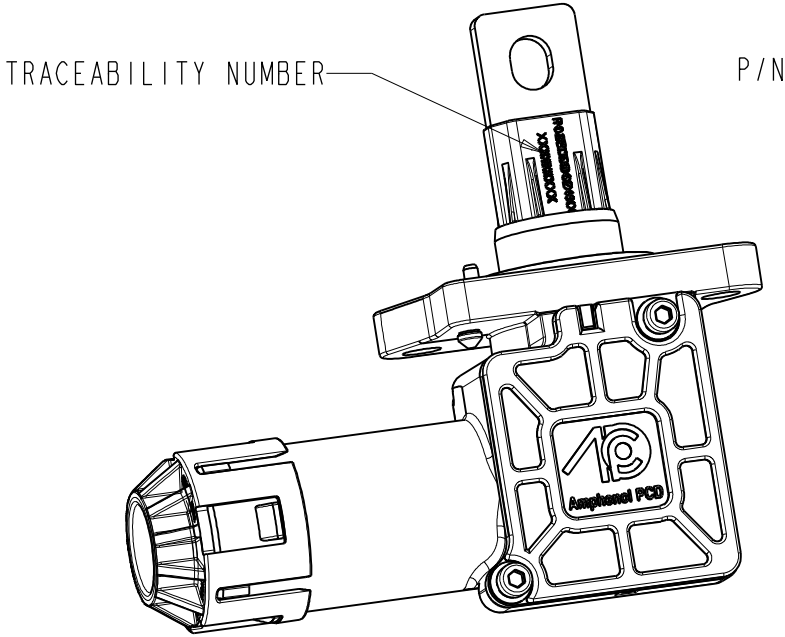
CABLE CODE	DESCRIPTION	6# PART	7# PART	8# PART
01	50MM^2 CABLE OD=15.8+0/-0.6mm	P01BM01753	P01BS0035801	P02B000426
02	35MM^2 CABLE OD=14.4+0/-0.6mm	P01BM01727	P01BS00358	P02B000412
03	25MM^2 CABLE OD=12.2+0/-0.6mm	P01BM02407	P01BS00358	P02B000667

3.BOM LIST

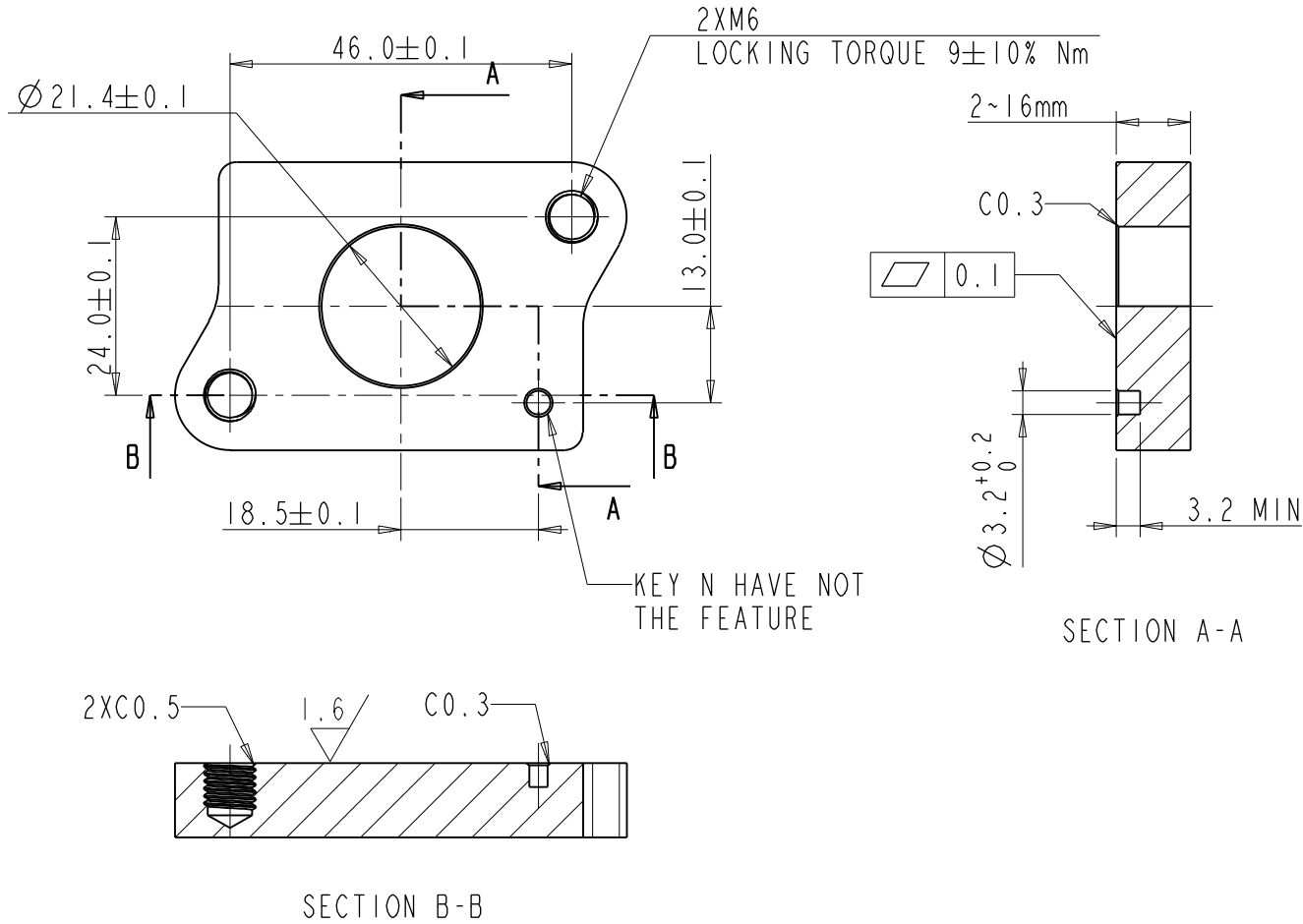


8	SEE TABLE 2	1	SEAL AND BACK CAP
7	SEE TABLE 2	1	OUTER SHIELDING RING
6	SEE TABLE 2	1	INNER SHIELDING RING
5	P01BM01726	1	TERMINAL
4	SEE TABLE 1	1	MAIN BODY
3	P01BN01524	1	M6 STUD LOCKING TORQUE 9±10% Nm
2	P01BM01723	1	UPPER COVER PLATE
1	P01BN01523	2	M3 STUD LOCKING TORQUE 1.2±10% Nm
ITEM	P/N	Q TY	DESCRIPTION

4.P/N AND TRACEABILITY NUMBER DESCRIPTION



5. PANEL SPECIFICATION



SIZE	DWG NO.	REV
A3	C-HVPC50XXXS01	4
SCALE: 1:2		SHEET 2 OF 2