

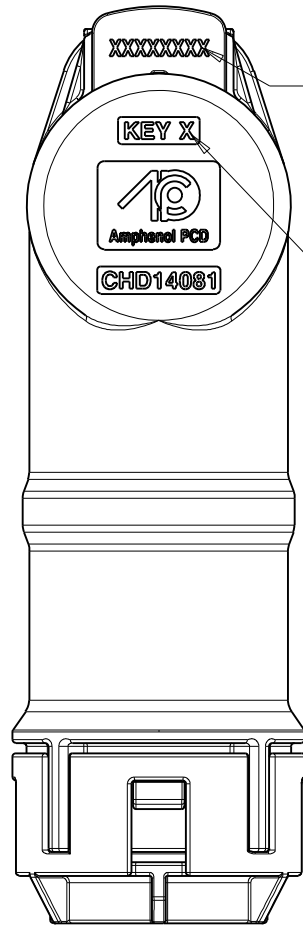
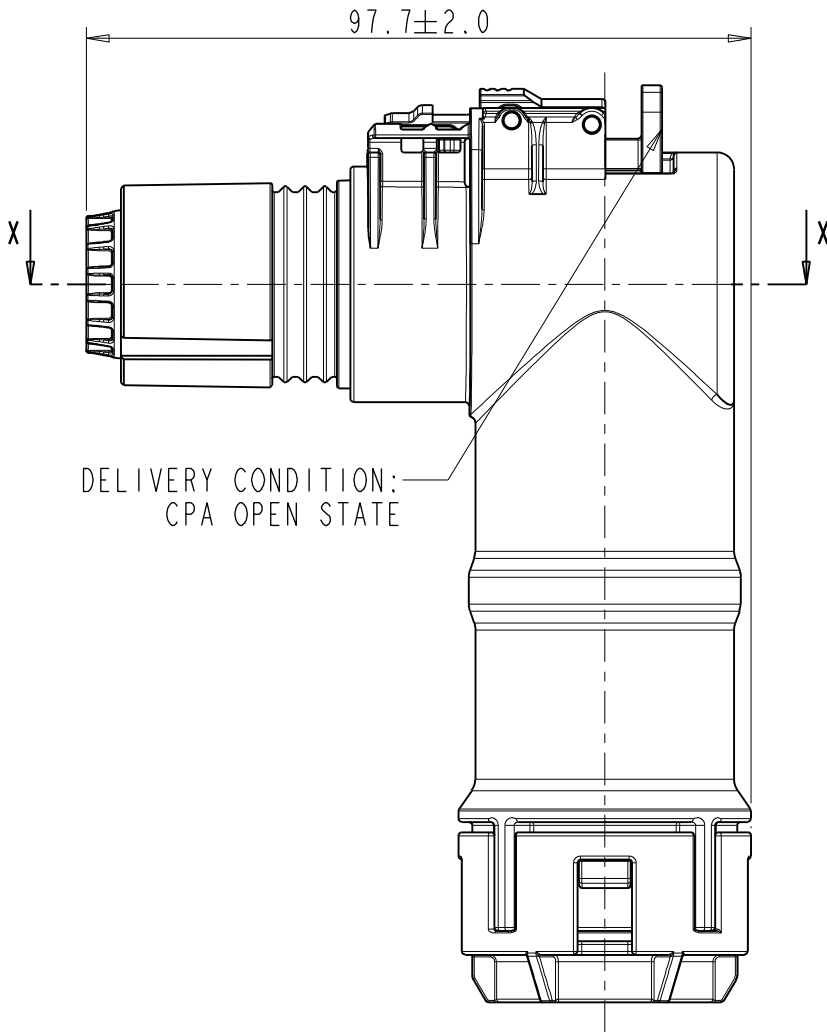
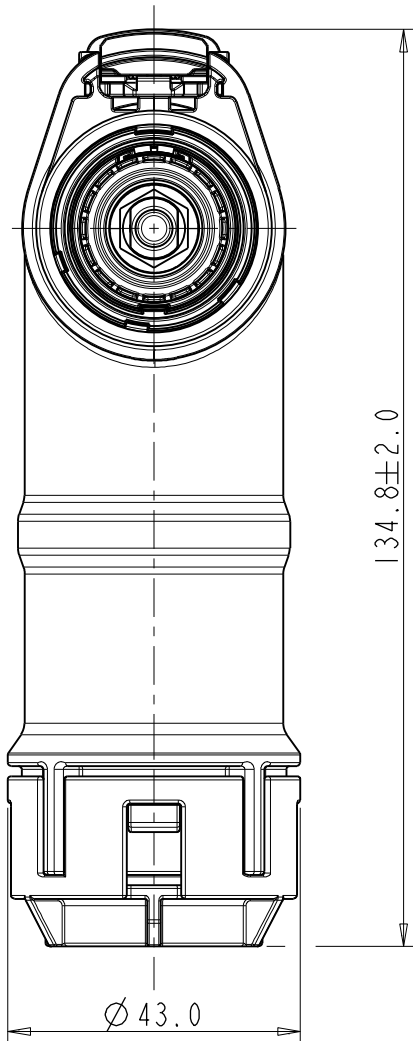
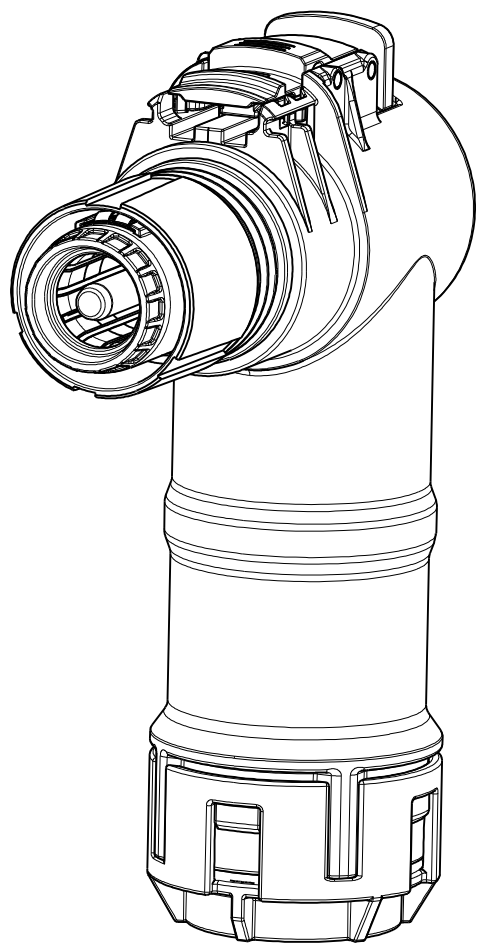
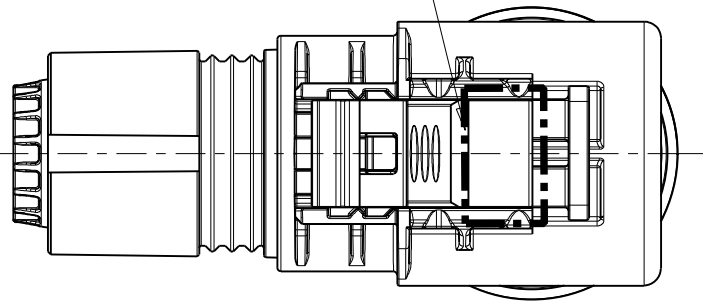
Amphenol PCD SZ
ORIGINAL
PDF Format
R&D

C-CHD14081XXXX

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		PRE- RELEASE	May-20-2025	- -
2	C09706	MODIFY THE DELIVERY METHOD	Nov-05-2025	.

安费诺精密连接器(深圳)有限公司
Amphenol PCD Shenzhen
受 控 文 件
2026年3月6日

COLOR RECOGNITION AREA



WORK ORDER NUMBER +BATCH

KEY MARK:A/B/C/D/E

NOTES:

1. MATERIAL & FINISH:

BODY: ALUMINUM ALLOY,NEUTRAL SALT SPRAY MEETS 500H.

POWER CONTACT: COPPER ALLOY SILVER PLATED

HVIL CONTACTS: COPPER ALLOY SILVER PLATED

SEAL RING: SR

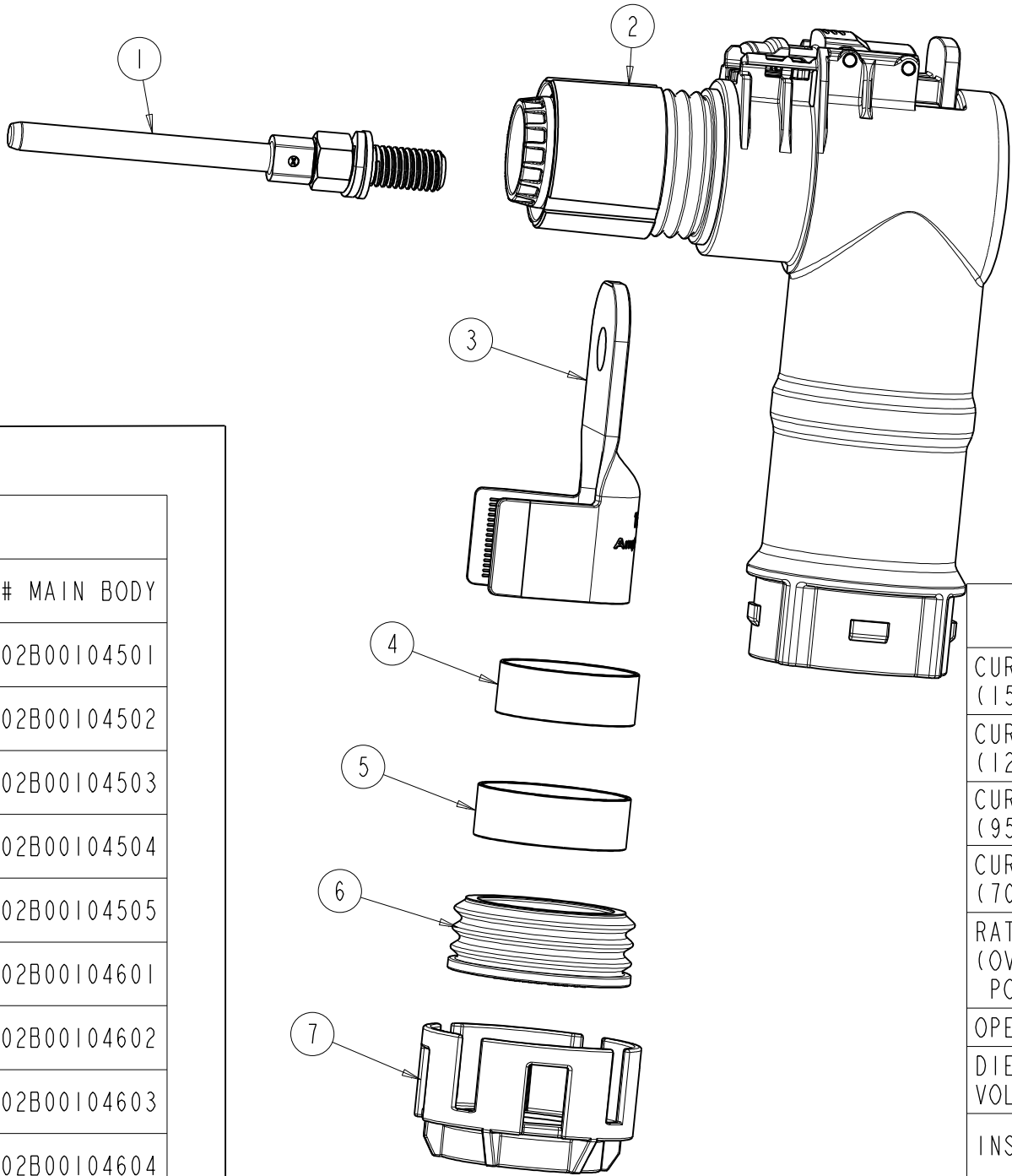
DIMENSIONS	TOLERANCES	PROJECTION	TITLE			
ANSI Y14.5M	.X ±0.5		CHD14 RA PLUG			
UNITS: MM	.XX ±0.05					
Pro/E FILE	ANGLES ±2°					
ORIGINAL	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF Amphenol PCD Shenzhen Co. Ltd Amphenol PCD Shenzhen Co. Ltd RESERVES THE RIGHT TO CLARIFY THIS DRAWING		ENGR			
			CHKD			
			APPD			
			SIZE A3	DWG NO. C-CHD14081XXXX	REV 2	
				SCALE: 1:1	SHEET 1 OF 4	

CHD 14 08 1 X X X X

KEY & COLOR & HVIL CODE :

TABLE 1				
CODE	THE FRIST X (KEY &COLOR CODE)	COLOR	THE SECOND X (HVIL CODE)	2# MAIN BODY
X X	A	RED	I	P02B00104501
	B	BLACK	I	P02B00104502
	C	YELLOW	I	P02B00104503
	D	GREEN	I	P02B00104504
	E	BLUE	I	P02B00104505
	A	RED	0	P02B00104601
	B	BLACK	0	P02B00104602
	C	YELLOW	0	P02B00104603
	D	GREEN	0	P02B00104604
	E	BLUE	0	P02B00104605

TABLE 2						
CODE	DESCRIPTION	3# TERMINAL	4# INNER FERRULE	5# OUTER FERRULE	6# CABLE SEAL	7# END CAP
01	150MM^2,MEET LV216 OD= 24.9±0.5mm	P01BS0068401	P01BM00957	P01BM00984	P01BR00345	P01BP0039301
02	120MM^2,MEET LV216 OD= 22.6±0.4mm	P01BS0068402	P01BM00996	P01BM00995	P01BR00344	P01BP0039302
03	95MM^2,MEET LV216 OD= 20.5±0.4mm	P01BS0068403	P01BM00998	P01BM00997	P01BR00343	P01BP0039303
04	70MM^2,MEET LV216 OD= 17.8±0.4mm	P01BS0068404	P01BM01457	P01BM01458	P01BR00591	P01BP0039304



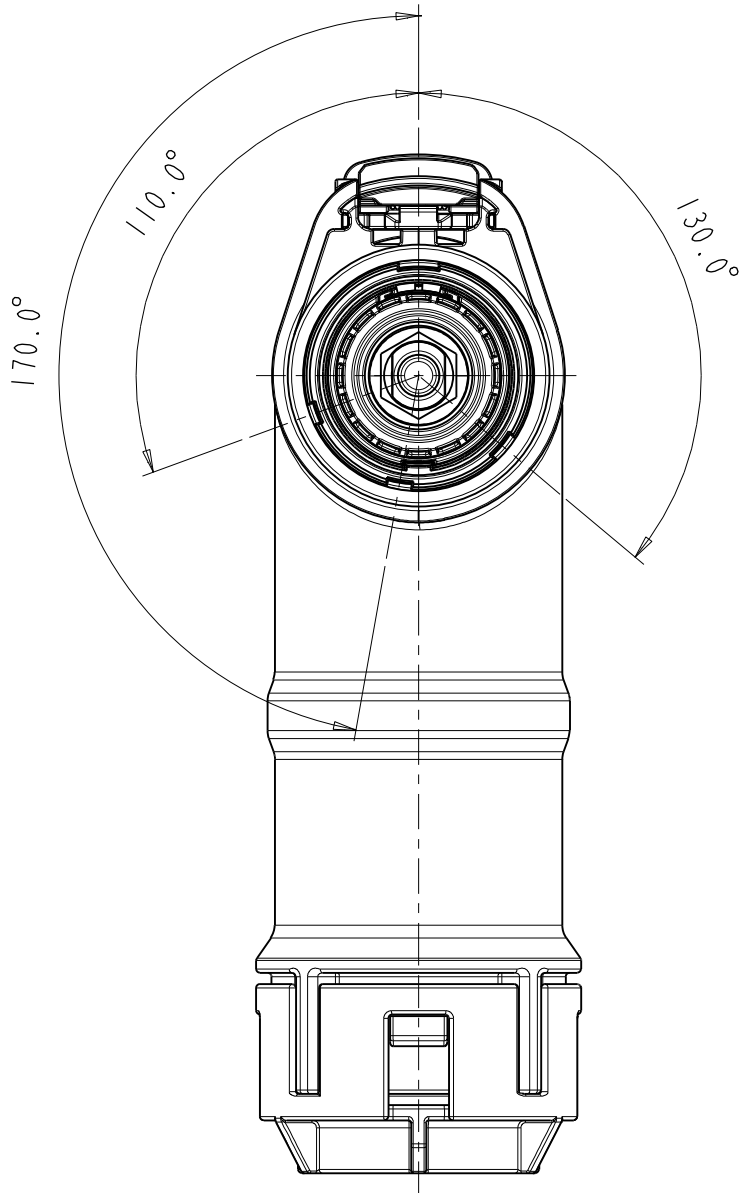
CABLE SIZE OPTION:

7	SEE TABLE 2	END CAP	I
6	SEE TABLE 2	CABLE SEAL	I
5	SEE TABLE 2	INNER FERRULE	I
4	SEE TABLE 2	INNER FERRULE	I
3	SEE TABLE 2	TERMINAL	I
2	SEE TABLE 1	MAIN BODY ASSEMBLY	I
1	P02B001141	INSULATOR	I
ITEM	COMPONENT P/N	DESCRIPTION	Q'TY

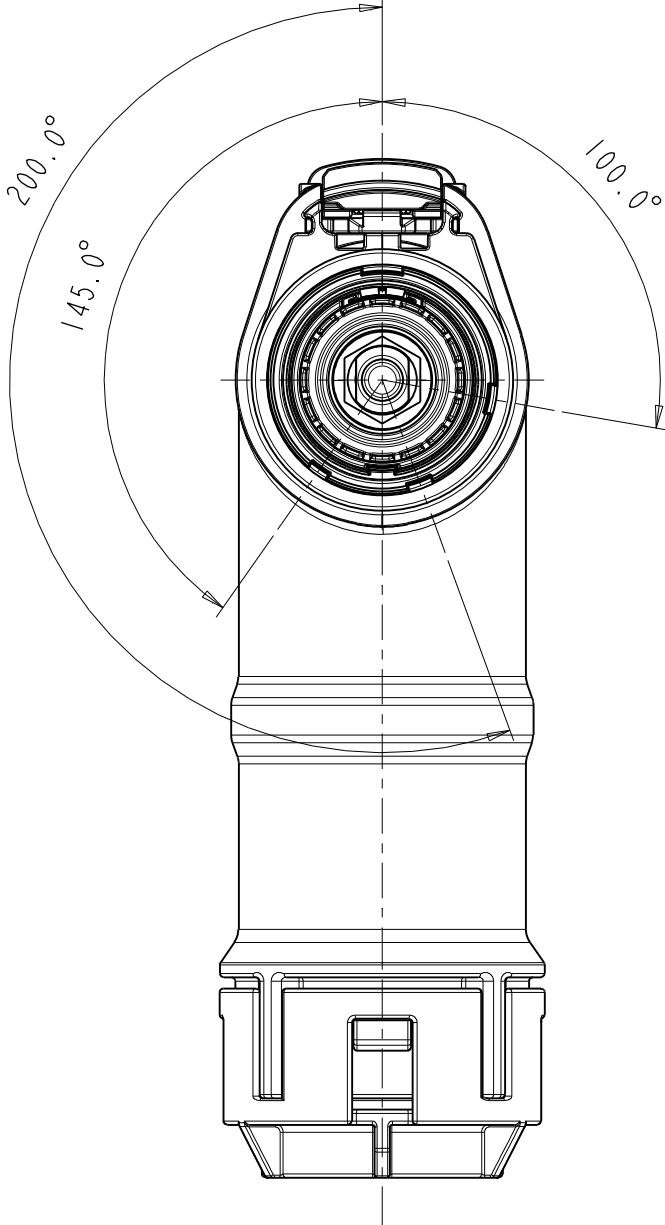
TECHNICAL DATA		
CURRENT RATE (150MM^2 SHIELD BARE COPPER CABLE)	450A @ AMBIENT 70°C	+
CURRENT RATE (120MM^2 SHIELD BARE COPPER CABLE)	430A @ AMBIENT 70°C	+
CURRENT RATE (95MM^2 SHIELD BARE COPPER CABLE)	350A @ AMBIENT 70°C	+
CURRENT RATE (70MM^2 SHIELD BARE COPPER CABLE)	300A @ AMBIENT 70°C	+
RATING VOLTAGE (OVERVOLTAGE CATEGORY II POLLUTION DEGREE 2)	1500V DC	+
OPERATING TEMPERATURE	-40-125°C	
DIELECTRIC WITHSTANDING VOLTAGE	4000V AC(RMS)	+
INSULATION RESISTANCE	200MΩ MIN.@25°C	+
DURABILITY	50 CYCLES	◎
SHIELDING	YES	
WATERPRROF (MATED CONDITION)	IP67, IP6K9K	+
PROTECTION LEVEL(UNMATED)	IP2XB	+
AMBIENT TEMPERATURE	-40-70°C	
RoHS & REACH	YES	+

SIZE	DWG NO.	REV
A3	C-CHD14081XXXX	2
SCALE: 1:1		SHEET 2 OF 4

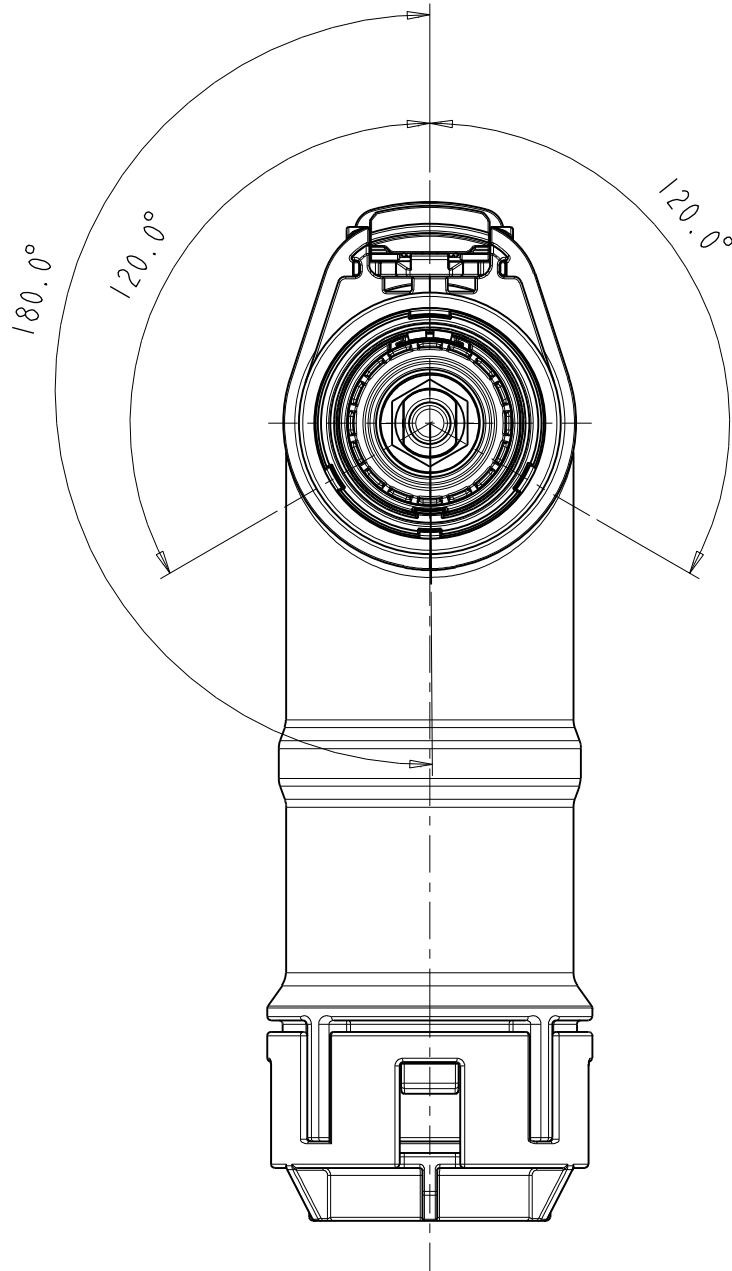
KEY A



KEY B



KEY C



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SIZE

DWG NO.

REV

A3

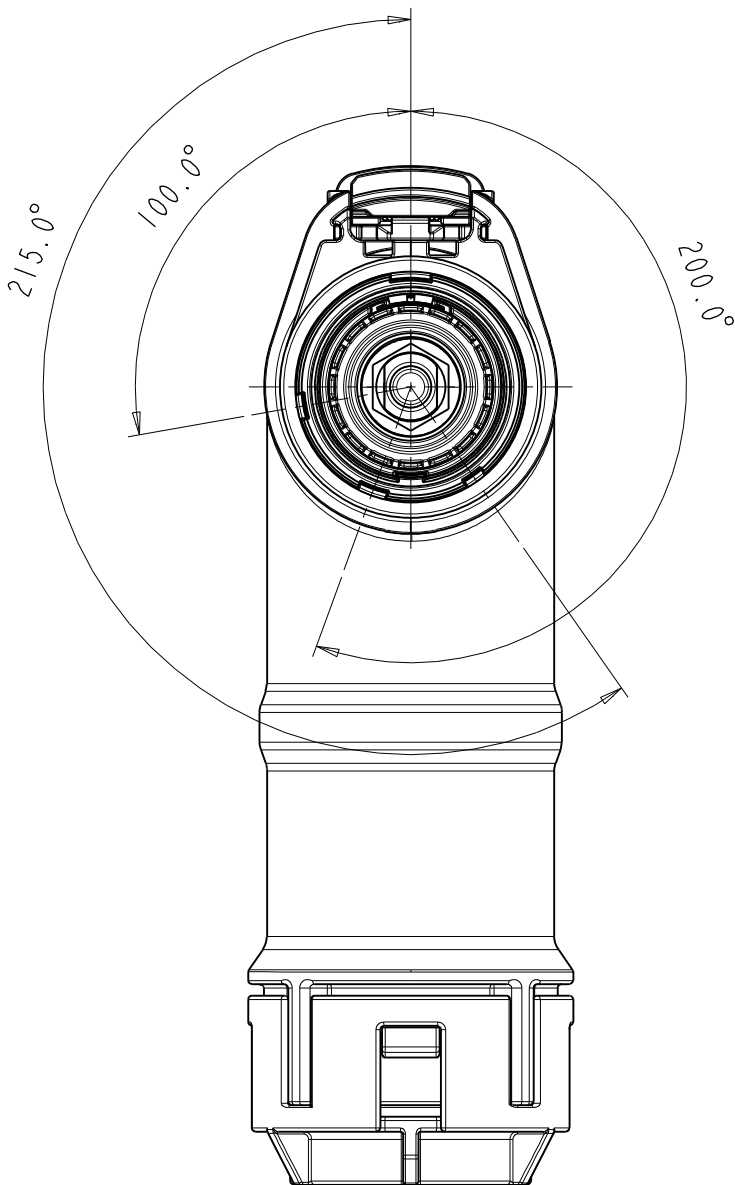
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2

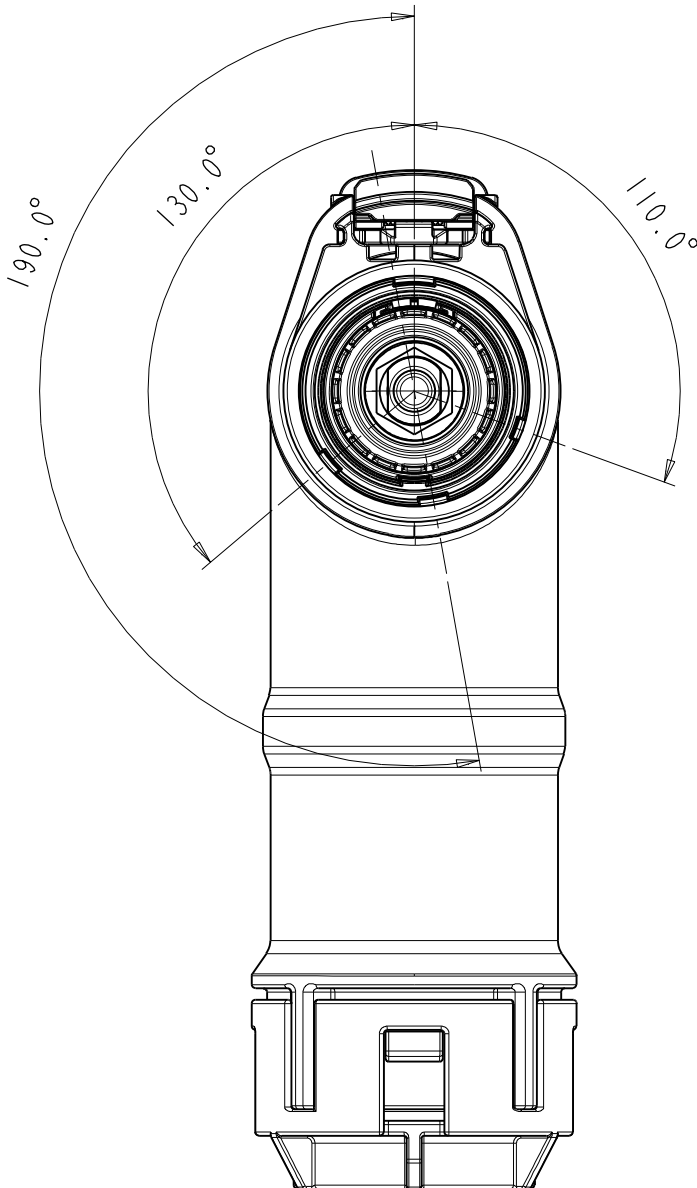
SCALE: 1:1

SHEET 3 OF 4

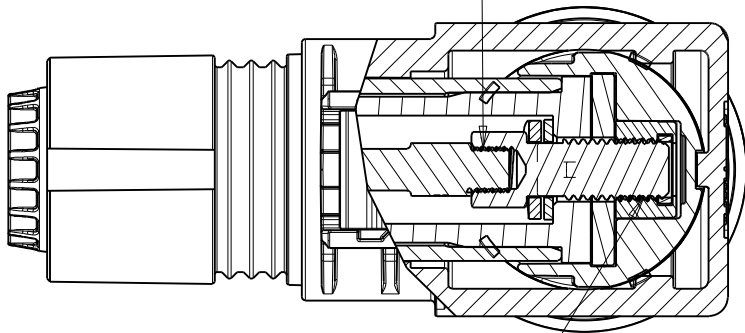
KEY D



KEY E



TORQUE FOR FINGER PROTECTION POST:
0.2N.m $\pm$ 10%,USE TIGHTEN GLUE



SECTION X-X

TORQUE FOR BUSBAR MOUNTING:
13.4N.m $\pm$ 10%

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