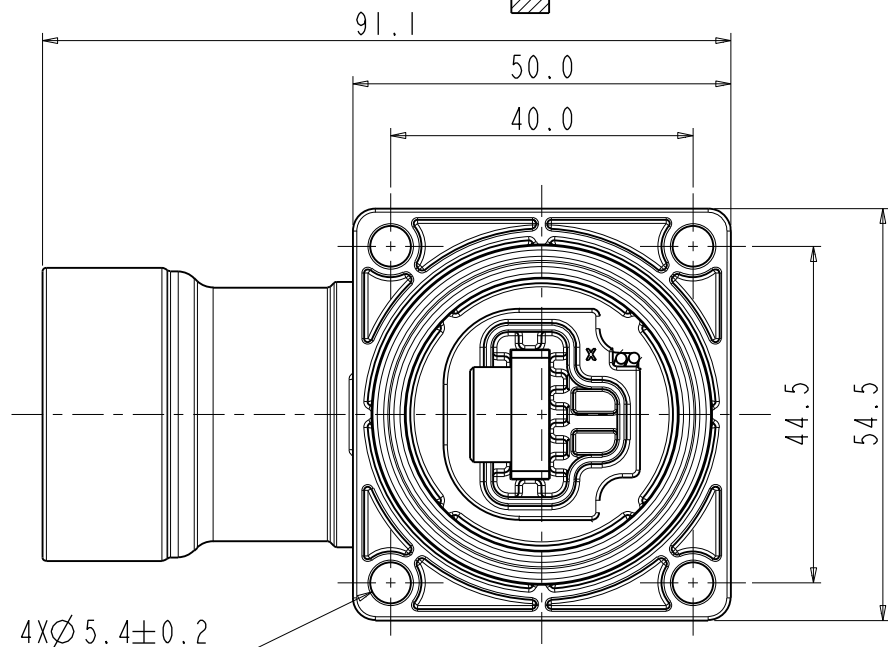
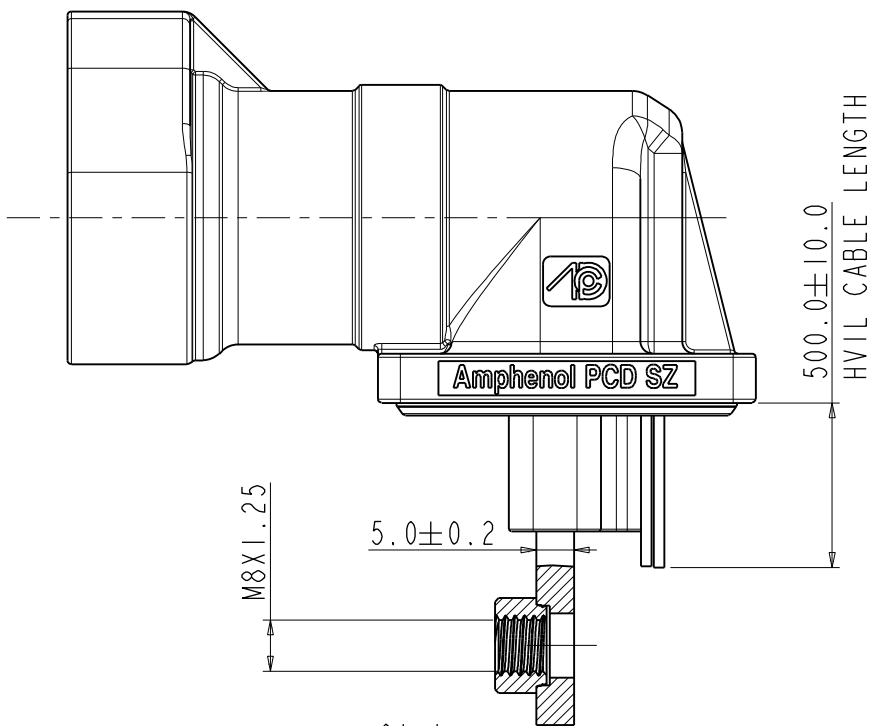
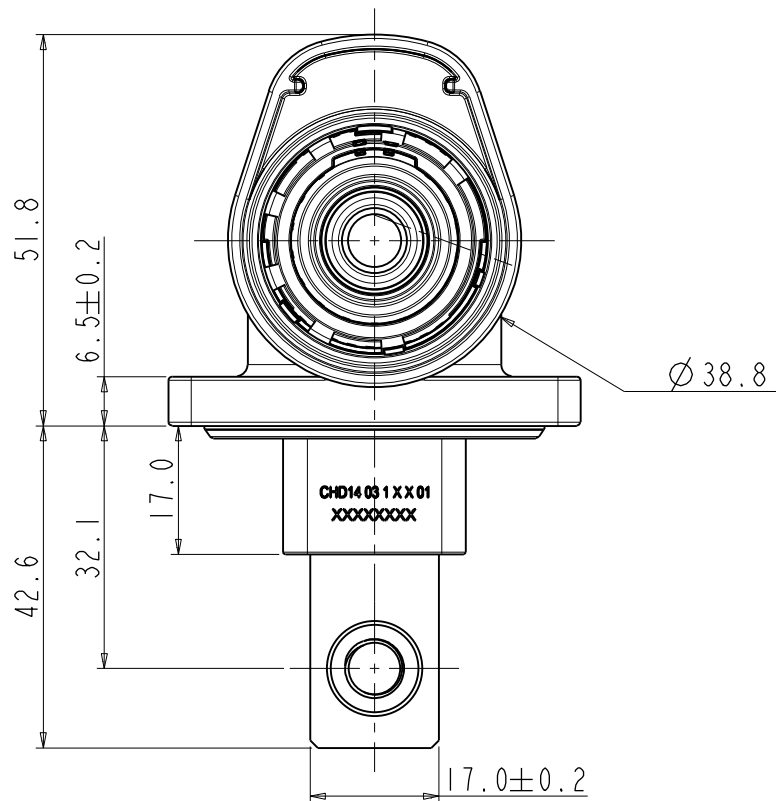


Amphenol PCD SZ
ORIGINAL
PDF Format
R&D



NOTES:

1. MATERIAL & FINISH:

BODY: ALUMINUM ALLOY ,NEUTRAL SALT SPRAY MEETS 500H.
POWER CONTACT: COPPER ALLOY SILVER & TIN PLATED
HVIL CONTACTS: COPPER ALLOY TIN PLATED
SEAL RING: SR

2.THE FLANGE IS LOCKED WITH M5 BOLTS,AND THE LOCKING TORQUE IS 5.9N.M (REFERENCE STANDARD:DIN-EN20273)

3.THE COPPER BAR IS LOCKED WITH M8 BOLTS,AND THE LOCKING TORQUE IS 13.4N.M (REFERENCE STANDARD:NFF 61-017)

4. PART NUMBERING SCHEME:

CHD 14 03 1 X X 01

A: CODING A
B: CODING B
C: CODING C
D: CODING D
E: CODING E

0: WITHOUT HVIL
1: WITH HVIL

01:COPPER BAR(M8X1.25)

★ :CRITICAL CHARACTERISTICS/关键特性
◎ :IMPORTANT CHARACTERISTICS/重要特性

DIMENSIONS	TOLERANCES	PROJECTION		
ANSI Y14.5M UNITS: MM Pro/E FILE	.X ±0.5 .XX ±0.05 ANGLES ±2°		ENGR	Dec-09-2021
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	
			APPD	

REV	ECN	DESCRIPTION	DATE	MODIFIED
1		RELEASE	Dec-09-2021	
2	R6275N	ADD PROTECTIVE CAP	May-10-2022	
3	R6904N	INCREASE THE NUMBER OF ERROR PREVENTION KEYS	Mar-09-2023	
4	R8269W	ADJUST THE HOLE SITE OF CAP	Jul-15-2024	

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Amphenol PCD Shenzhen

受 控 文 件

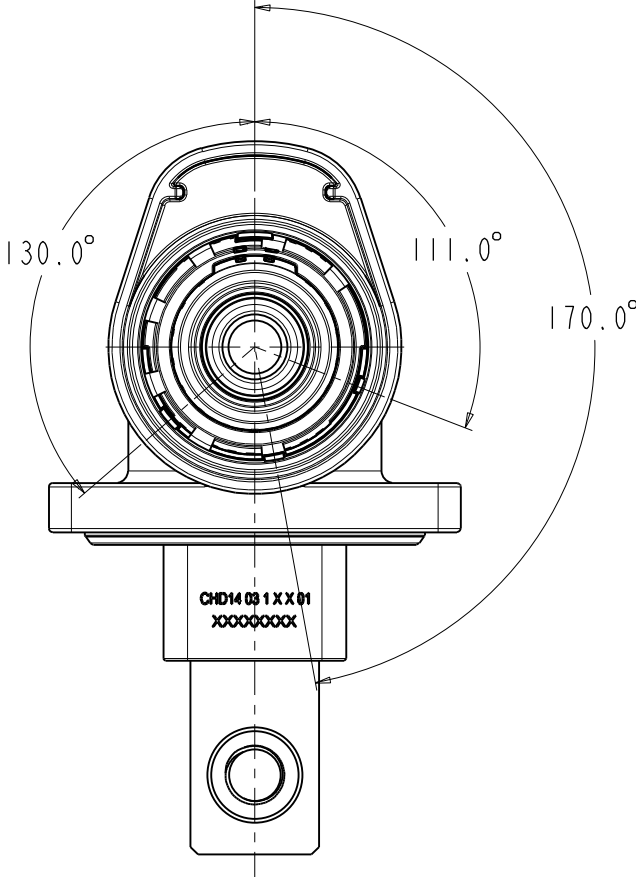
2024年8月30日

5. TECHNICAL DATA TABLE

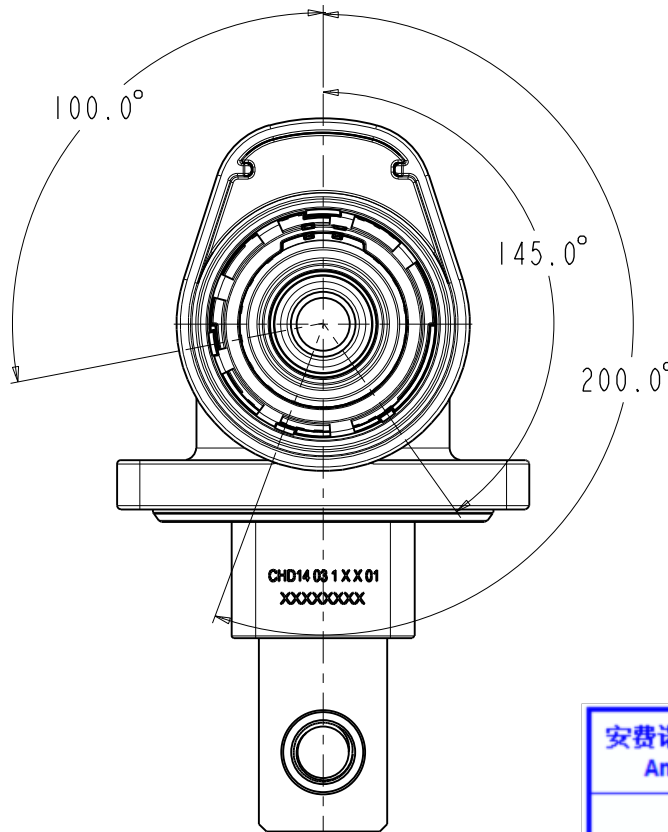
TECHNICAL DATA		
△4	CURRENT RATE (150MM^2 SHIELD CABLE)	500A @ AMBIENT 70°C ★
	CURRENT RATE (120MM^2 SHIELD TINNED CABLE)	450A @ AMBIENT 70°C ★
	CURRENT RATE (120MM^2 SHIELD BARE COPPER CABLE)	430A @ AMBIENT 70°C ★
	CURRENT RATE (95MM^2 SHIELD TINNED CABLE)	400A @ AMBIENT 70°C ★
△4	CURRENT RATE (95MM^2 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 ★
	DURABILITY	50 CYCLES ◎
	SHIELDING	YES
	WATERPROOF (UNMATED CONDITION)	IP67, IP6K9K ★
	PROTECTION LEVEL(UNMATED)	IP2XB ★
	AMBIENT TEMPERATURE	-40~70°C
	RoHS&REACH	YES ★

TITLE			
CHD 14 03 1 X X 01 RECEPTACLE ASSEMBLY			
SIZE	DWG NO.	REV	
A3	C-CHD14031XX01	4	
SCALE: 1:1		SHEET 1 OF 3	

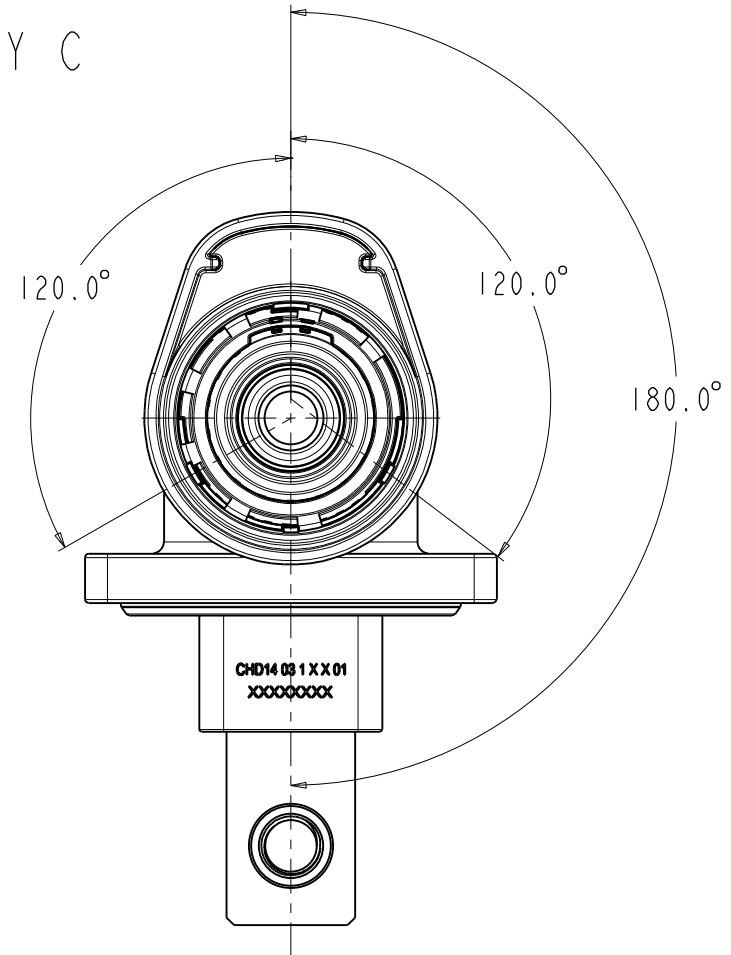
KEY A



KEY B

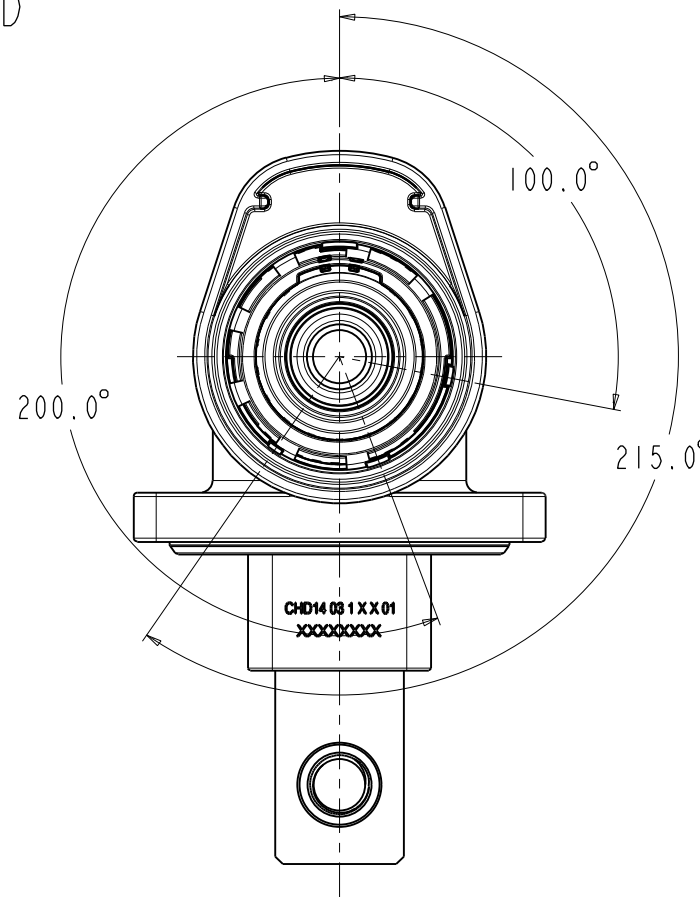


KEY C

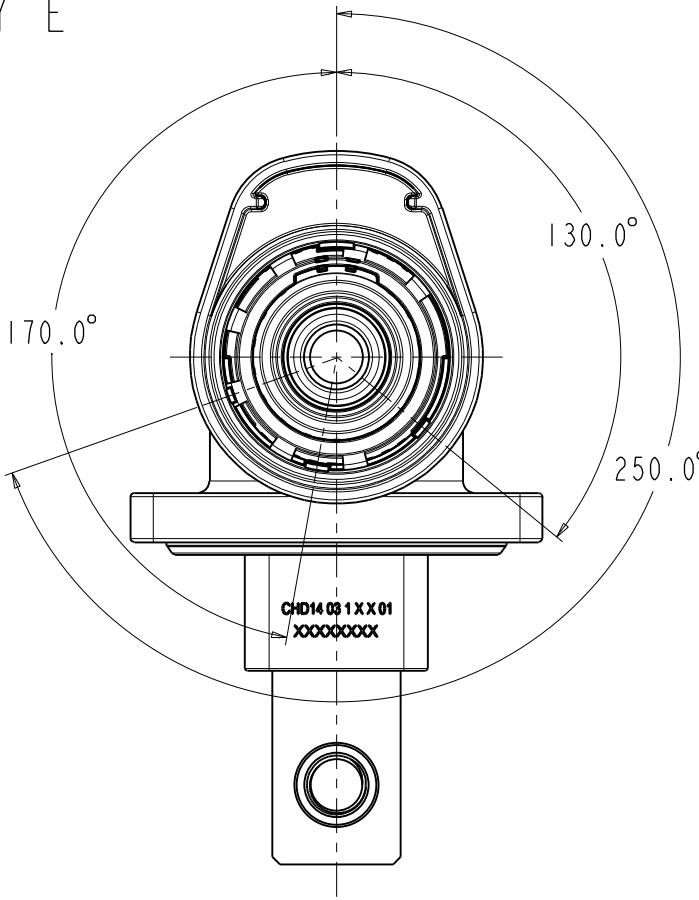


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KEY D



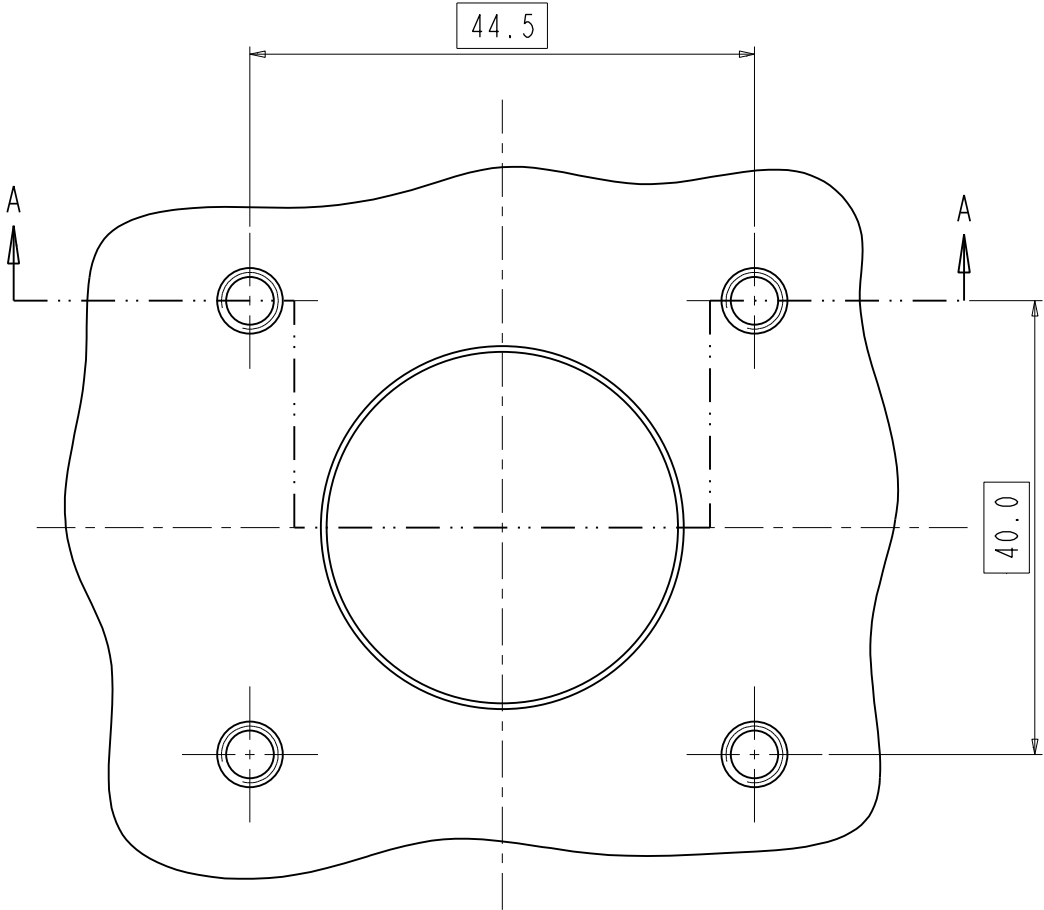
KEY E



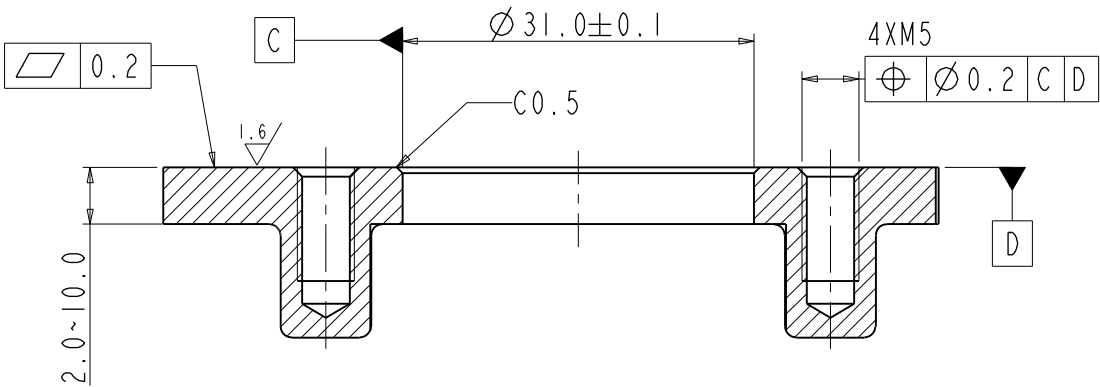
PRODUCT ANGLE DISTRIBUTION

KEY X	ANGLE W°	ANGLE A°	ANGLE B°	COLOR
KEY A	110	170	130	RED
KEY B	145	200	100	BLACK
KEY C	180	120	120	YELLOW
KEY D	215	100	200	GREEN
KEY E	250	130	170	BLUE

RECOMMENDED MOUNTING PLATE

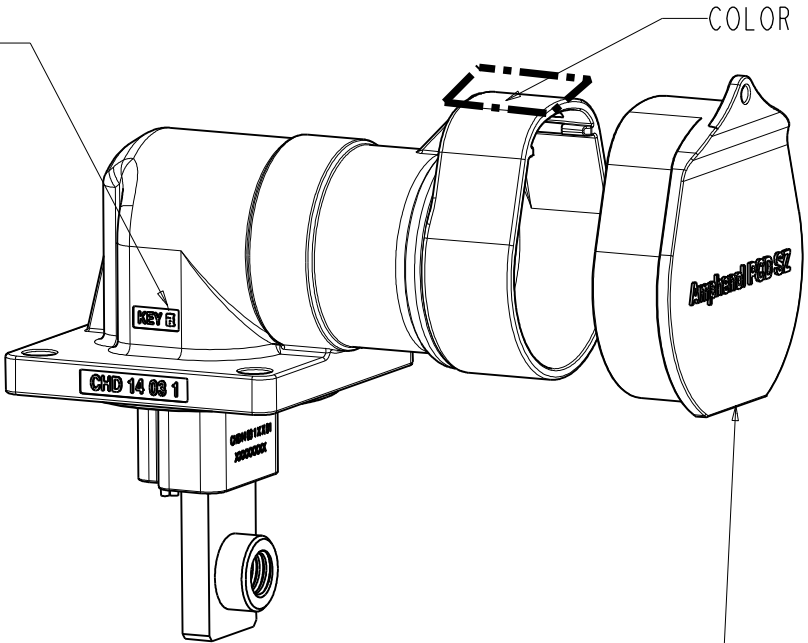


比例 3:2

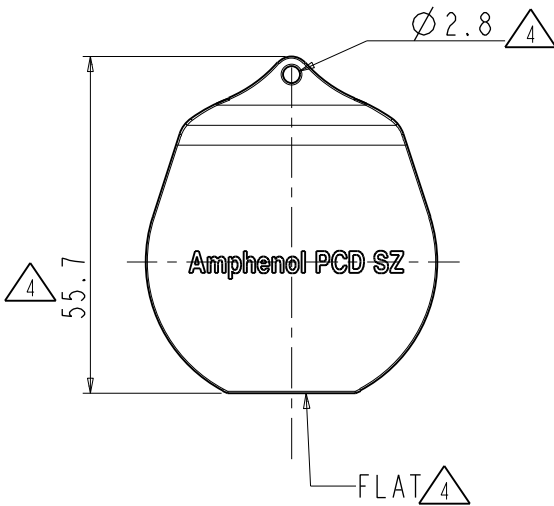


截面 A-A

KEY DISTINGUISHING MARK



COLOR RECOGNITION AREA



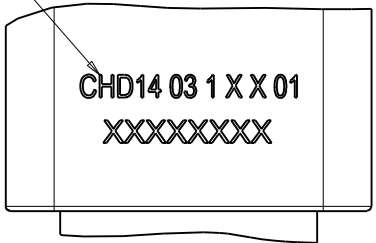
PROTECTIVE CAP SIDES

PROTECTIVE CAP
P/N: P01BP00572
MATED CONDITION: IP54

HVIL WITH BLACK SIGNAL
CABLE 0.5MM^2

HVIL WITH RED SIGNAL
CABLE 0.5MM^2

THE FIRST ROW IS THE
PRODUCT PART NUMBER



Detail A
Scale 2:1

