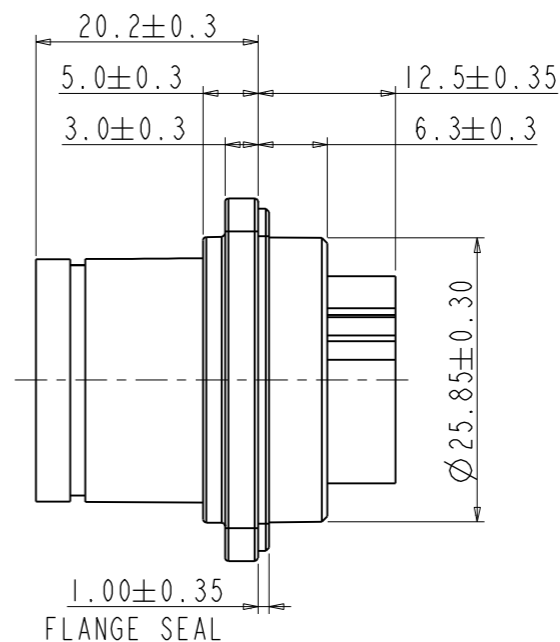
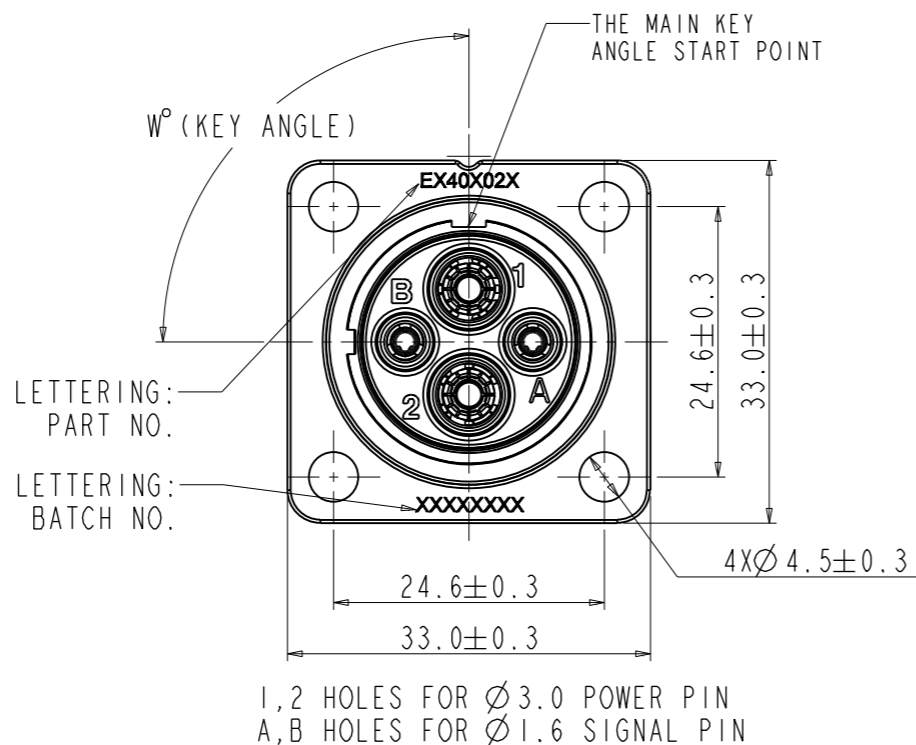


Amphenol PCD SZ  
ORIGINAL  
PDF Format  
R&D



NOTE:

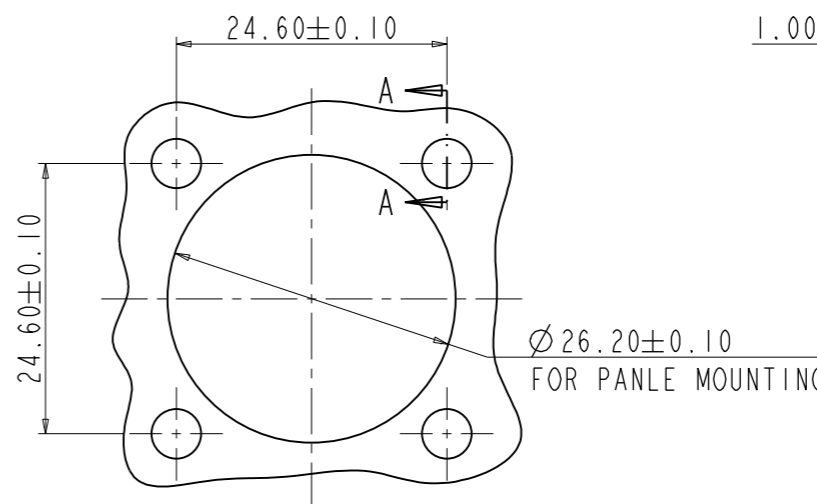
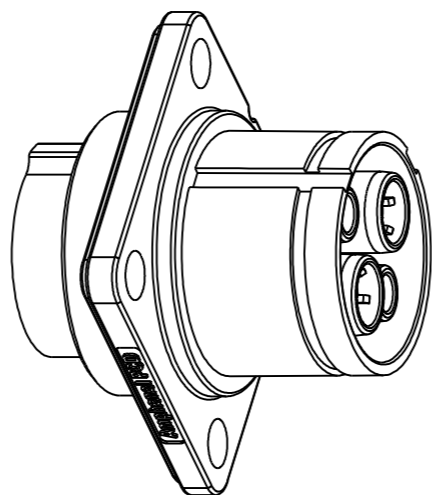
1. FINISHED PRODUCT DO NOT HAVE CONTACT, NEED TO BUY SEPARATELY.
2. THE POWER PIN AND SIGNAL PIN OPTION SEE THE FOLLOWING DETAIL EX SERIES BOM LIST SHOW
3. SCREW M4(DIMENSION REFER GB/T 70.1-2000)  
TORQUES: 2N\*m
4. SCOPE OF CABLE OUTSIDE DIAMETER OPTION:  
2.5 mm<sup>2</sup> OD=2.7~3.7; 3.0 mm<sup>2</sup> OD=2.5~3.7  
4.0 mm<sup>2</sup> OD=3.0~4.0; 6.0 mm<sup>2</sup> OD=3.5~4.5;  
INTERLOCK CABLE OD=2.1~2.7(0.5~0.75mm<sup>2</sup> CABLE)  $\triangle C$

5. PART NUMBER DESCRIPTION:

EX402 02 X

KEY OF CODING OPTION

- A: KEY A & RED(w°=45°)
- B: KEY B & BLACK(w°=90°)
- C: KEY C & YELLOW(w°=180°)
- D: KEY D & GREEN(w°=270°)
- E: KEY E & BLUE(w°=315°)

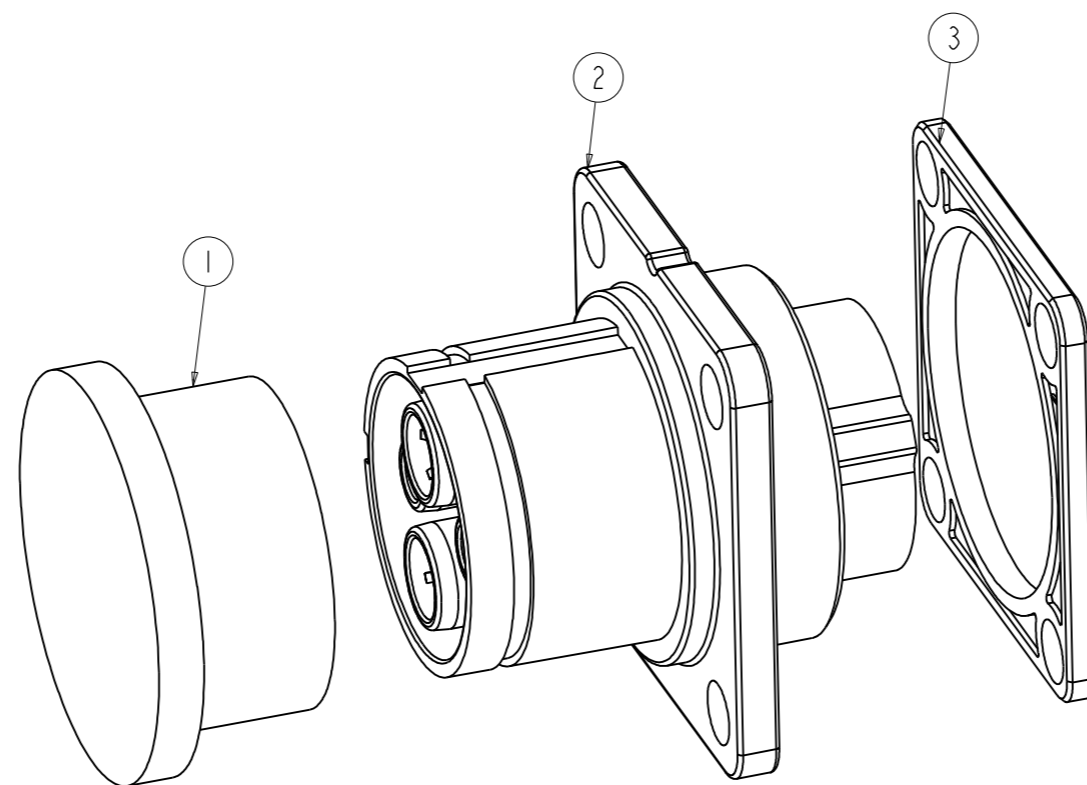


SUGGESTION MOUNTING INTERFACE SPECIFICATION  
(MOUNTING INTERFACE SHOWN)

| DIMENSIONS                             | TOLERANCES   | PROJECTION | TITLE                 |            |              |
|--|--|------------|-----------------------|------------|--------------|
| ANSI Y14.5M<br>UNITS: MM<br>Pro/E FILE | .X ±0.5<br>.XX ±0.05<br>ANGLES ±2°   |            | Amphenol PCD Shenzhen |            |              |
| ORIGINAL                               | THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE CONFIDENTIAL PROPERTY OF Amphenol PCD Shenzhen Co. Ltd<br>Amphenol PCD Shenzhen Co. Ltd RESERVES THE RIGHT TO CLARIFY THIS DRAWING | CHKD       | SIZE                  | DWG NO.    | REV          |
|  |  | ENGR       | A3                    | C-EX40202X | C            |
|  |  | APPD       | CODE: 58982           | SCALE: 3:2 | SHEET 1 OF 2 |

C-EX40202X

C-EX40202X



6. TECHNICAL DATA TABLE

| TECHNICAL DATA  |                                |     |
|---|--------------------------------|-----|
| CURRENT RATING<br>(6 mm <sup>2</sup> UNSHIELD CABLE)              | 40A @ AMBIENT 70°C             | +   |
| CURRENT RATING<br>(4 mm <sup>2</sup> UNSHIELD CABLE)              | 32A @ AMBIENT 70°C             | +   |
| CURRENT RATING<br>(2.5~3 mm <sup>2</sup> UNSHIELD CABLE)          | 23A @ AMBIENT 70°C             | +   |
| CURRENT RATING<br>(0.5~0.75mm <sup>2</sup> UNSHIELD CABLE)        | 5A @ AMBIENT 70°C              | + △ |
| RATING VOLTAGE<br>(OVERVOLTAGE CATEGORY II<br>POLLUTION DEGREE 2) | 1000V DC                       | + △ |
| OPERATING TEMPERATURE   | -40~125°C                      |     |
| DIELECTRIC WITH STANDING<br>VOLTAGE                               | POWER CONTACT<br>3000V AC(RMS) | + △ |
|   | HVIL CONTACT<br>660V AC(RMS)   | + △ |
| INSULATION RESISTANCE   | 200MΩ MIN. @25°C<br>NO CABLE   | + △ |
| DURABILITY  | 50 CYCLES                      | ◎   |
| SHIELDING   | YES                            |     |
| WATERPROOF<br>(MATED CONDITION)                                   | IP 68 & IPX9K                  | +   |
| PROTECTION LEVEL  | IP2XB                          | +   |
| AMBIENT TEMPERATURE   | -40~70°C                       |     |
| RoHS  | YES                            | +   |

"+" CRITICAL CHARACTERISTICS  
"◎" IMPORTANT CHARACTERISTICS

7. ASSEMBLY AND DETAIL EX SERIES BOM LIST SHOW

7.1. DETAIL EX SERIES BOM LIST

| ITEM      | P/N | QUANTITY | DESCRIPTION                  |
|-----------|-----|----------|------------------------------|
| EX40202 X | 3   | 1        | C4270036611 FLANGE SEAL PART |
|           | 2   | 1        | MAIN BODY                    |
|           | 1   | 1        | C422005986 DUST COVER        |

| P/N    | QUANTITY | DESCRIPTION  |
|--------|----------|--|
| EX30F6 | 2        | C3100050211 BIG POWER PIN Ø3.0 FOR 6mm <sup>2</sup> CABLE(BUY SEPARATE)    |
| EX30F4 | 2        | C310005021 BIG POWER PIN Ø3.0 FOR 2.5~4mm <sup>2</sup> CABLE(BUY SEPARATE) |
| EX16F1 | 2        | C310005023 SMALL SIGNAL PIN Ø1.6 (BUY SEPARATE)                            |

| SIZE        | DWG NO.    | REV          |
|-------------|------------|--------------|
| A3          | C-EX40202X | C            |
| CODE: 58982 | SCALE: 1:1 | SHEET 2 OF 2 |

C-EX40202X

C-EX40202X