

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO YAMETER AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.

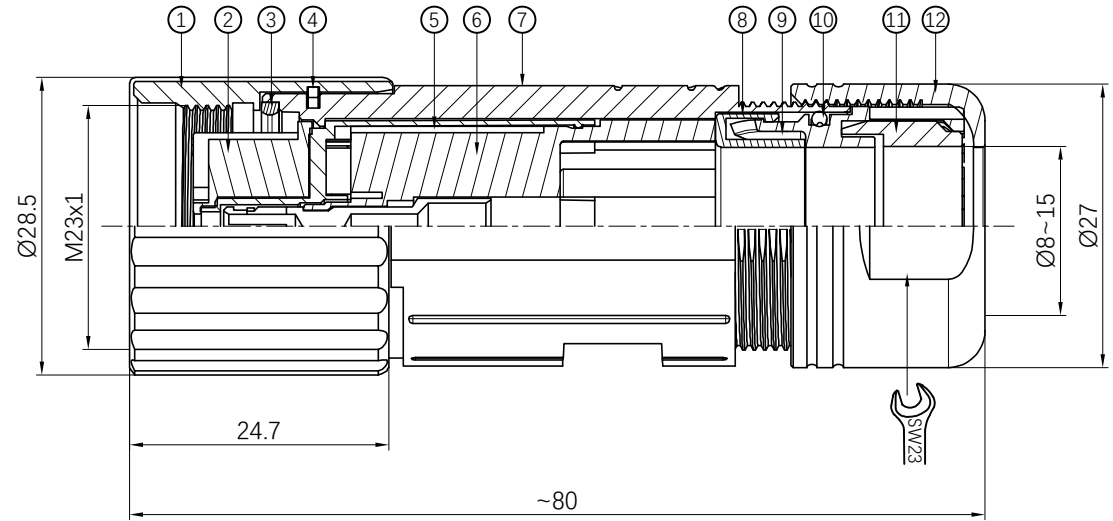
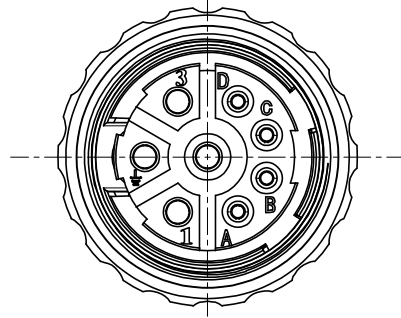
| REV | ECN NO | DESCRIPTION  | DATE       | APPROVED |
|-----|--------|--------------|------------|----------|
| A   | -      | NEW RELEASED | 2022.01.05 | MAY.YU   |

Material:

1. M23 Thread: Copper Alloy, Plated Nickel
2. Insulation Housing: PA,Magenta
3. Seal Gasket: FKM,Green
4. SNAP Ring: Copper Alloy, Plated Nickel
5. Insulation Sleeve: PA, White
6. Insulation Bracket: PA, Black
7. Shell: Zinc Alloy, Plated Nickel
8. Shield Ring: Copper Alloy, Plated Nickel
9. Cable Clamp: PA, Black
10. O-Ring: FKM,Green
11. Seal Gasket: FKM,Green
12. Pressing Nut: Copper Alloy, Plated Nickel
13. Contact crimp: 4xØ1.0, Copper Alloy, Plated Gold
14. Contact crimp: 4xØ2.0, Copper Alloy, Plated Gold

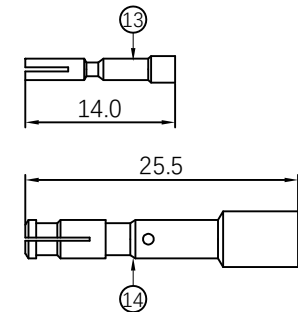
Technical Data:

1. Standard: DIN 43650
2. Rated Voltage: [See Table 1](#)
3. Rated Current: [See Table 1](#)
4. Rated Temperature: -40°C~+80°C
5. Durability: ≥ 500 Times Cycles
6. Protection Degree: IP67 (Correct locking state)



Connector Table 1

| Yameter Part No. | Coding & Pins   | Plug Pin out | Applicable AWG                           | Rated Current | Rated Voltage |
|------------------|-----------------|--------------|------------------------------------------|---------------|---------------|
| M23AF06A7BK05    | A Code<br>6 Pin |              | 2.5mm <sup>2</sup>                       | 20A           | 630V AC/DC    |
| M23AF08A7BK05    | A Code<br>8 Pin |              | 1.5mm <sup>2</sup><br>2.5mm <sup>2</sup> | 8A<br>20A     | 250V AC/DC    |



| UNMARKED TOLERANCES |                  | TITLE<br>M23 POWER CONNECTOR<br>MOTOR SOCKET METAL FIELD<br>INSTALLATION STRAIGHT |            |  Yameter |                          |  |          |                                                                                       |
|---------------------|------------------|-----------------------------------------------------------------------------------|------------|-----------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|
| DIMENSIONS          | TOLERANCE        |                                                                                   |            |                                                                                               |                          |                                                                                       |          |                                                                                       |
| x                   | ±0.5             | CUSTOMER                                                                          | -          | CUSTOMER PART NO.                                                                             | -                        |                                                                                       |          |  |
| x.x                 | ±0.25            | DRAWN BY                                                                          | MAY.YU     | PART NUMBER                                                                                   | M23AFXA7BK05             |                                                                                       |          |                                                                                       |
| x.xx                | ±0.15            | CHECKED BY                                                                        | BILL.LEE   | DRAWING NUMBER                                                                                | M23AFXA7BK05             |                                                                                       |          |                                                                                       |
| 0 to 500            | +15 / -0         | APPROVED BY                                                                       | TIGER.WANG | SCALE FREE                                                                                    | ALL DIMENSION UNIT IN MM | SHEET 1 OF 1                                                                          |          |                                                                                       |
| > 501               | +3%/-0 of length |                                                                                   |            |                                                                                               |                          | SIZE<br>A4                                                                            | REV<br>A |                                                                                       |
| ANGLES              |                  |                                                                                   |            |                                                                                               |                          |                                                                                       |          |                                                                                       |
| x°                  | ±1°              |                                                                                   |            |                                                                                               |                          |                                                                                       |          |                                                                                       |