

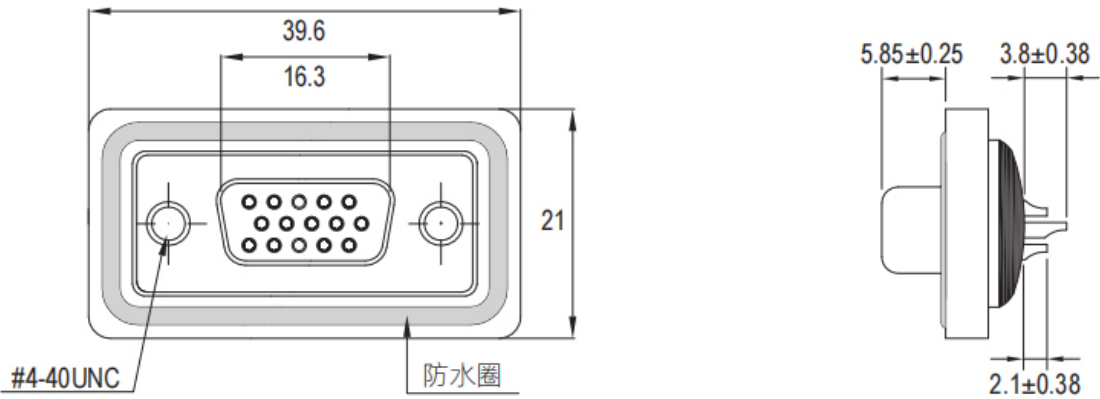


- Plastic Waterproof Connector EDB series,
- Type: Straight Female Socket,
- Gender: Female,
- Termination : Solder
- Number of cores: 9,15H,2W2,2W2C,5W1 pins,
- Flame retardant grade : V-0
- Certification: CE/RoHS.

PRODUCT PARAMETERS

|                          |                                                 |
|--------------------------|-------------------------------------------------|
| Rated current :          | 10A/20A/30A/40A                                 |
| Rated voltage :          | 1000 V                                          |
| Withstand voltage :      | 500 V                                           |
| Insulation impedance :   | 5000 MΩ                                         |
| Contact impedance :      | 10 mΩ                                           |
| Pulling Force :          | Products comply with IEC60807-3                 |
| Wiring range :           | 8mm~14mm                                        |
| Durability :             | ≥500次                                           |
| Applicable temperature : | -55℃ ~ +105℃                                    |
| Shell material :         | Thermoplastic PA66 ,Flame retardant grade : V-0 |
| Waterproof grade :       | IP65/IP67                                       |
| Products comply :        | CECC 7501-802.IEC 60807-3                       |

DIMENSIONS



ELECTRICAL PARAMETERS

| 芯数排列<br>PINS ARRANGEMENT |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 芯位图<br>Pins Arrangement  |  |  |  |  |
|                          | 9                                                                                 | 15H                                                                               | 2W2                                                                                 | 2W2C                                                                                |
| 芯数<br>Pins               | 小针:9<br>Small needle:9                                                            | 小针:15<br>Small needle:15                                                          | 大针:2<br>Large needle:2                                                              | 大针:2, C型<br>Large needle:2, C-type                                                  |
| 芯位图<br>Pins Arrangement  |  |                                                                                   |                                                                                     |                                                                                     |
|                          | 5W1                                                                               |                                                                                   |                                                                                     |                                                                                     |
| 芯数<br>Pins               | 大针:1<br>Large needle:1                                                            | 小针:4<br>Small needle:4                                                            |                                                                                     |                                                                                     |

| 技术参数<br>TECHNICAL PARAMETERS |                    |                    |        |       |       |
|------------------------------|--------------------|--------------------|--------|-------|-------|
| 针规<br>Pin Gage               | 小针<br>Small needle | 大针<br>Large needle |        |       |       |
| 线规<br>Wire gauge             | 20 AWG             | 14 AWG             | 10 AWG | 8 AWG | 6 AWG |
| 引脚类型<br>Pin type             | φ1                 | φ1.7               | φ2.8   | φ3.2  | φ4.6  |
| 额定电流<br>Rated current        | 5A                 | 10A                | 20A    | 30A   | 40A   |

|                                |              |  |  |  |  |
|--------------------------------|--------------|--|--|--|--|
| 接线范围<br>Wiring range           | 8.1mm~14.0mm |  |  |  |  |
| 防水等级<br>Waterproof grade       | IP65/IP67    |  |  |  |  |
| 插拔次数<br>Durability             | 500          |  |  |  |  |
| 适应温度<br>Applicable temperature | -55℃~105℃    |  |  |  |  |
| 额定电压<br>Rated voltage          | 1000V        |  |  |  |  |

Ordering products

| Product Name                        | Pins | Max Pin Wire gauge | Rated current | Model         | 3D Download | 2D Download       |
|-------------------------------------|------|--------------------|---------------|---------------|-------------|-------------------|
| EDB1-Straight Female Socket(Solder) | 9    | 20 AWG             | 5A            | EDB1-F9-PWA   |             | <a href="#">↓</a> |
| EDB1-Straight Female Socket(Solder) | 15H  | 20 AWG             | 5A            | EDB1-F15H-PWA |             |                   |
| EDB1-Straight Female Socket(Solder) | 2W2  | 20 AWG             | 5A            | EDB1-F2W2-PWA |             |                   |

## EDB1 - Straight Female socket(solder)

|                                     |      |        |        |                  |  |  |
|-------------------------------------|------|--------|--------|------------------|--|--|
| EDB1-Straight Female Socket(Solder) | 2W2C | 20 AWG | 5A     | EDB1-F2W2C-PWA   |  |  |
| EDB1-Straight Female Socket(Solder) | 5W1  | 20 AWG | 5A     | EDB1-F5W1-PWA    |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2  | 14 AWG | 10A    | EDB1-F2W2-PWA14  |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2C | 14 AWG | 10A    | EDB1-F2W2C-PWA14 |  |  |
| EDB1-Straight Female Socket(Solder) | 5W1  | 14 AWG | 5A/10A | EDB1-F5W1-PWA14  |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2  | 10 AWG | 20A    | EDB1-F2W2-PWA10  |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2C | 10 AWG | 20A    | EDB1-F2W2C-PWA10 |  |  |
| EDB1-Straight Female Socket(Solder) | 5W1  | 10 AWG | 5A/20A | EDB1-F5W1-PWA10  |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2  | 8 AWG  | 30A    | EDB1-F2W2-PWA08  |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2C | 8 AWG  | 30A    | EDB1-F2W2C-PWA08 |  |  |
| EDB1-Straight Female Socket(Solder) | 5W1  | 8 AWG  | 5A/30A | EDB1-F5W1-PWA08  |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2  | 6 AWG  | 40A    | EDB1-F2W2-PWA06  |  |  |
| EDB1-Straight Female Socket(Solder) | 2W2C | 6 AWG  | 40A    | EDB1-F2W2C-PWA06 |  |  |
| EDB1-Straight Female Socket(Solder) | 5W1  | 6 AWG  | 5A/40A | EDB1-F5W1-PWA06  |  |  |

## Data Download

|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| PRODUCT CATALOG        | <a href="#">CAZN-Plastic waterproof connector series</a>                                       |
| EMC                    | <a href="#">EMC Certificate</a> 、 <a href="#">EMC Report</a> 、 <a href="#">REACH233 Report</a> |
| RoHS                   | <a href="#">Certificate</a> 、 <a href="#">Report</a>                                           |
| WATERPROOF TEST REPORT | <a href="#">Certificate</a> 、 <a href="#">Report</a>                                           |