



## **CW8942F6A2A1**

Two cavity nickel-plated locking  
plug connector

Technical Information

July 2021

1. Explanation

Standard: Q/21EJ6166 "EN4165 Series Connector Product Specification"

2. Dimensions (dimensions without units marked, the default unit is mm)

2.1 Dimensions of 2-cavity nickel-plated locking plug

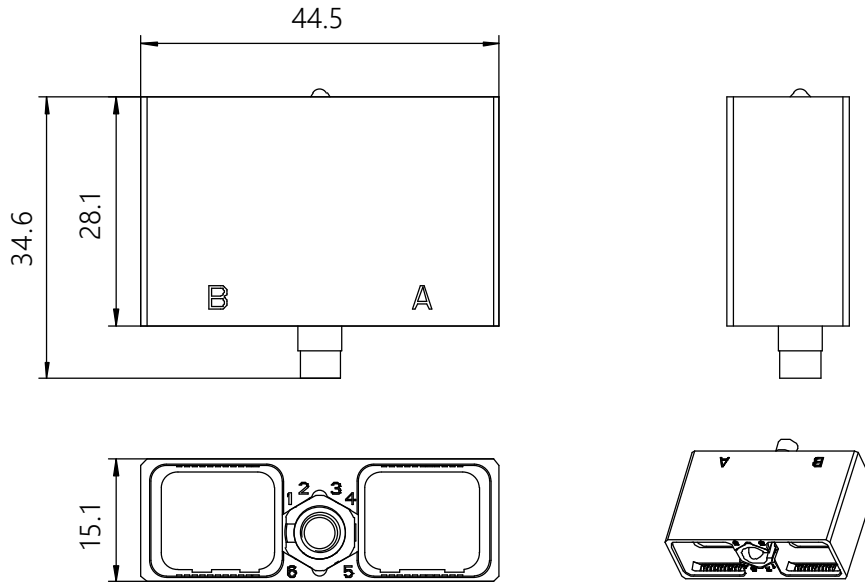


Figure 1 2-cavity nickel-plated locking plug

3. Technical specifications

3.1 Electrical performance

Table 1 Performance Index

Serial number	Type	Initial value (mΩ)	After environmental test (mΩ)
1	Electrical continuity between enclosures	1	2

Note: After the test refers to the mechanical life, vibration, shock and other tests

3.2 Mechanical and environmental performance requirements

Table 2 Mechanical and environmental performance indicators

Item	Skills requirement
Operating temperature	-55°C ~ +175°C
Mechanical life	500 times
Vibration	The power spectral density is 0.4G2/Hz, and each direction is 8 h in three mutually perpendicular directions.
Salt spray	Test according to GJB1217A-2009 regulations, 96 hours of neutral salt spray

#### 4. Acceptance requirements

Table 3 Acceptance requirements

Item	Skills requirement	Sampling requirements
Appearance and size	The connector has correct, clear and complete markings, no loose parts, no bumps in appearance, and the external dimensions meet the requirements of Figure 1.	100%

#### 5. Order information

2-cavity nickel-plated locking plug: CW8942F6A2A1;

Mating sockets: CW8942F7A2A1, CW8942F8A2A1, CW8942F0A2A1, etc.;

Adaptation tail: CW8942F14P2;

Adapt to standard CW8942 modules, including power supply, optical fiber, radio frequency, differential modules, etc., each cavity can install 1 module.

#### 6. Other information

6.1 The plug has six key position options, and the guide sleeve used for key position identification defaults to the package of loose parts.