



CW8942A20-222NM
CW8942A20-222NF
20-22 Power Modules

Technical Information

September 2020

1. Explanation
 - Standard: Q/21EJ6166 "EN4165 Series Connector Product Specification"
2. Dimensions (dimensions without units marked, the default unit is mm)
 - 2.1 20-22 Power M module outline size

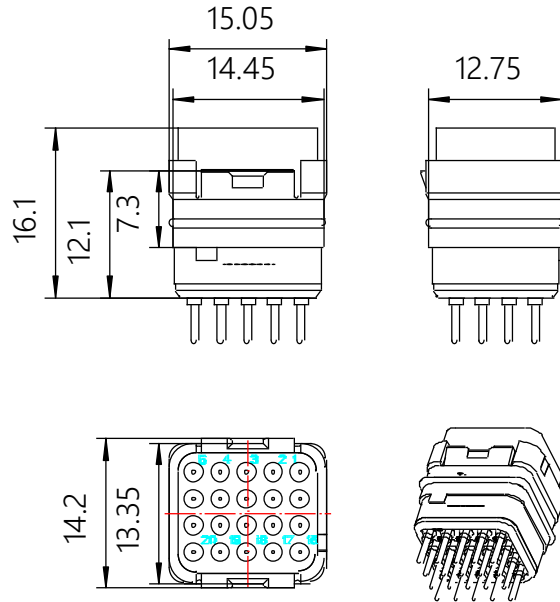


Figure 1 20-22 power M module

- 2.2 20-22 Power F module outline dimensions

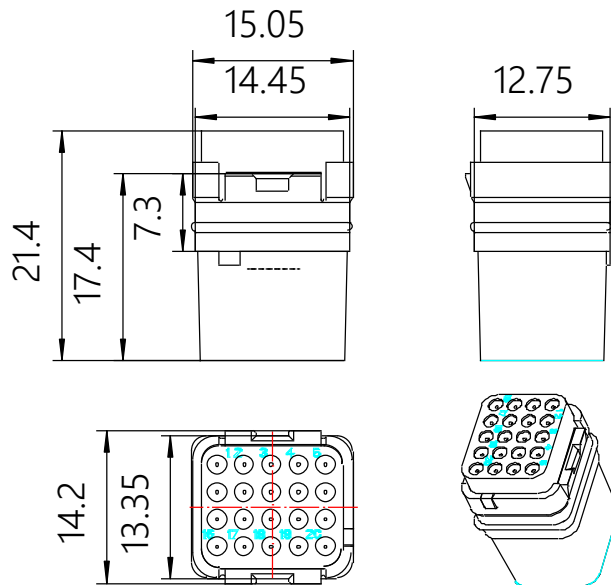


Figure 2 20-22 power F module

3. Technical Specifications

3.1 Electrical properties

Table 1 Performance Index

Serial number	Contact type	Electrical properties	Remark
1	22#	Rated current: 5A/core	A total of 20 cores per module
		Insulation resistance: $\geq 5000M\Omega$ (room temperature)	
		Dielectric withstand voltage (sea level): 1300 V r.m.s.	

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 0.4G ² /Hz, and each direction is 8 h in three mutually perpendicular directions.
Acid salt spray	Test according to GJB150.11A-2009, 240 hours of acid salt spray
Acid atmosphere	Test according to GJB150.28A-2009, 28 days acid atmosphere
Mold	According to the requirements of GJB150.10A-2009, strain group 2 + Scopulariopsis brevicaulis, and the mold resistance level is not lower than level 1.

4. Acceptance requirements

Table 3 Acceptance requirements

Item	Skills requirement	Sampling requirements
Appearance and size	The module marks are correct, clear, and complete, with no loose parts, no bumps in appearance, and the external dimensions meet the size requirements of Figure 1 and Figure 2.	100%

5. Ordering information

20-22 power M module: CW8942A20-222NM;

20-22 power F module: CW8942A20-222NF;

Adapter plug: CW8942F6A2A0, CW8942F6A2A1, CW8942F9A4A1, CW8942W6A4A1, etc.;

Adapter socket: CW8942F7A2A1, CW8942W0A4A1, etc.

6. Other information

6.1 Both contacts and modules can be removed, and special tools are required for removal;

6.2 When the module contacts are not full, use sealing plugs to seal the remaining holes;

6.3 Provide contact parts.