

Connector CN-EP

CMJE-CNEP2 No.0037-08V

1 CAUTIONS

- This product has been developed / produced for industrial use only.
- Make sure that the power is off while wiring.
- Do not insert 2 or more wires into a wire inlet. If connecting 2 or more wires, it causes a failure.
- Make sure not to short-circuit due to splaying of wires etc.
- Do not pull the connector or cable with excessive force. This may cause damage or a wire-break of the connector.
- Do not use the connector in a state where the release lever has been broken. If the release lever has been broken, the connector may come out or cause malfunction.
- Make sure that stress by forcible bending or pulling is not applied directly to the wire inlet of the connector.
- Do not pull the connector by using a tool, such as pliers, etc.
- When wiring, hold the connector tightly. Furthermore, do not insert the wire forcibly. This may cause an injury.
- The connector does not have a water-proof construction.
- Never reuse a hook-up connector. Its performance cannot be guaranteed.

Thank you very much for purchasing Panasonic products.

Please read this Instruction Manual carefully and thoroughly for the correct and optimum use of this product.

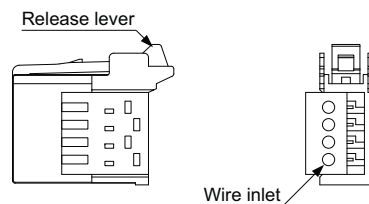
Kindly keep this manual in a convenient place for quick reference.

2 SPECIFICATIONS

Model No.	CN-EP2	CN-EP3
Applicable wire	0.1 to 0.5mm ² (AWG27 to 20)	
Range of diameter of covered wire	ø1.0 to ø1.15mm	ø0.6 to ø0.9mm
Color of plug connector	Yellow	Orange
Rated current	3A/ pole (when 0.5mm ² wire is used) 2A/ pole (when 0.3mm ² wire is used) 1A/ pole (when 0.2mm ² wire is used) 0.5A/ pole (when 0.1mm ² wire is used)	
Rated voltage	DC 32V	
Contact resistance (Note 1)	30mΩ or less (20mV DC or less, at 10mA or less)	
Voltage with-standability	1,000V AC for 1 minute (Leak current: 1mA or less)	
Insulation resistance	20MΩ, or more, with 500V DC	
Ambient temperature (Note 2)	-30 to +75°C	

Notes: 1) The contact resistance of the connector part.
2) This is restricted by the allowable ambient temperature range of the cable.

3 PART DESCRIPTION

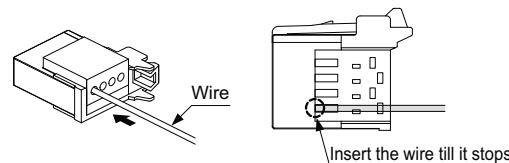


4 WIRE CONNECTION

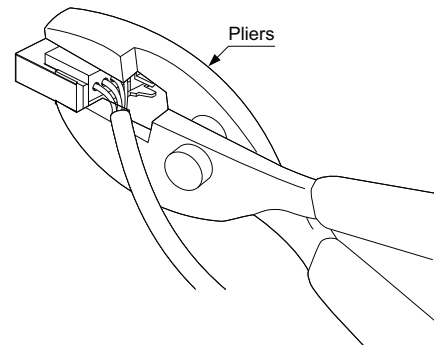
Wire connecting procedure

- Do not strip the wire sheath.
- Connect correctly after confirming the terminal arrangement of the device to which it is connected.

1. Insert the wires into the wire inlets of the connector till the wire tips touch the hole ends.

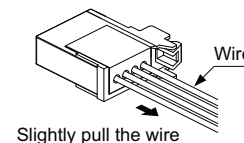


2. Hook-up the connector with pliers.



- Make sure to hook-up by holding the pliers parallel to the connector from the direction shown in the figure above.
- Take care not to damage the wires with the pliers during hook-up.
- Take care that the wires are not pulled out during hook-up.

3. Slightly pull the wire to ensure that the wire is not loose.



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