

DESCRIPTION

PRODUCT COVERED:

Component Connectors - Z-Pack Staggered 050J-II Connector Series, Z-Pack J-II Power Connector Series, Z-Pack J-II Power Connector HV Series and Z-Pack J-II Disk Array Connector Series and Z-Pack J-II Power Connector 30 Pos.

GENERAL:

These devices are multi-pole connectors employing contacts of the solder-termination type for use with printed circuit boards.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

1. These devices have been tested for the following current-carrying capability and should be used only where they will not interrupt the current for the following currents and AWG sizes.

Component Connector Series	Current	Max Temp Rise (°C)	AWG Size
Z-Pack Staggered 050J-II Connector.	1 A	22	14
Z-Pack J-II Power Connector.	5 A	14	14
Z-Pack J-II Power Connector HV.	5 A	10	14
Z-Pack J-II Disk Array Connector (Power Line).	5 A	16	14
Z-Pack J-II Disk Array Connector (Signal Line).	1 A	16	16

2. The suitability of the spacings between adjacent poles and the associated voltage rating shall be determined in the end-use. Dielectric testing has been performed as follows:

Cat. No.	Maximum Voltage
Z-Pack Staggered 050J-II Connector.	30 V ac/dc
Z-Pack J-II Power Connector.	75 V ac/60 V dc
Z-Pack J-II Power Connector HV.	600 V ac
Z-Pack J-II Disk Array Connector (Power Line).	75 V ac/60 V dc
Z-Pack J-II Disk Array Connector (Signal Line).	30 V ac/dc

3. These devices have been investigated for the interruption of current by connecting and disconnecting the mating plug in accordance with the Overload, Temperature and Resistance to Arcing Test Sequence in UL 1977, The Standard for Component Connectors for Use in Data, Signal, Control and Power Applications. The following table shows the applicable current rating, voltage rating and AWG size for the specific component Series:

Component Connector Series	Current	Voltage	AWG Size
Z-Pack Staggered 050JJ-II Connector.	1 A	30 V ac/dc	22
Z-Pack J-II Power Connector.	5 A	75 V ac, 60 V dc	20
Z-Pack j-II Disk Array Connector (Power Line).	5 A	75 V ac, 60 V dc	20
Z-Pack J-II Disk Array Connector (Signal Line).	1 A	30 V ac/dc	22

4. The suitability of the mounting means shall be determined in the end-use.

5. The placement of these devices within the equipment enclosure should be such that spacings between the live parts and the equipment are suitable for the particular application.

6. The electrical and mechanical contact between the connector and the printed circuit board is to be judged in the end-use equipment.

7. The suitability of the insulating materials used in the molded bodies shall be judged in the end-use equipment.

8. The operating temperature of these devices should not exceed the temperature ratings of the insulating materials. These materials may be used interchangeably at a maximum temperature of 130°C.

9. Accessories (such as covers) have not been evaluated and should be judged in the end-use application.