

DESCRIPTION

PRODUCT COVERED:

* USR Component -Cluster Pin Receptacle, **Series** 1742539.

*

GENERAL CHARACTER AND USE:

The devices described in this Report are of the following type.

Type of Wiring Termination - Crimp type wire connector.

WIRE RANGE:

Cat. No.	AWG Copper	Crimp Tool	ILL. No. Body
1742539-2, 1742539-3, 1-1742539-3	10-16, Str, AWM Style 1011/1015/1230/1335	680263-1 & 2 Overlap	1 & 4
	8-14, Str, AWM Style 1011/1015/1230/1335	1852774-3 or 1855463 with Type "F" dies	

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE USE):

Products designated USR have been investigated using requirements contained in the Standard UL 486A-486B.

Conditions of Acceptability -

For use only in (or with) complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

1. These wire connectors are intended for factory wiring only, and factory assembly using crimp machine AMP-O-ELECTRIC Model "K" manufactured by AMP, which forms the wire entry opening and crimps the conductors to the terminal in one operation.
2. Cat. Nos. 1742539-2, 1742539-3 shall be installed in compliance with the mounting, spacing, casualty, segregation requirements in each end-use application.
3. Static-Heating Test of Cat. Nos. 1742539-2, 1742539-3 were conducted with mating connector with contact size 0.125 diameter by 0.4 inch. The use of any other size of contact shall be evaluated during the end-use application.

4. Cat. Nos. 1742539-2, 1742539-3 have an assigned ampere rating of 20 A. It is intended for use in equipment having a maximum current rating of no more than 20 A. This ampere rated connector shall be additionally evaluated for temperature rise in the end use application.
5. Cat. No. 1-1742539-3 is used for commercial purposes only. It is identical to Cat. No. 1742539-3 except it is packaged onto a larger reel.

RATINGS:

Tooling -

Cat. No.	Wire	Crimp tool identification		Number of crimps
	Range, AWG	Manufacturer name	Model number	
1742539-2, 1742539-3,	10-16, Str, AWM, Style 1011/1015/1230/1335	AMP	(#) AMP-O-ELECTRIC, Model "K"	1
1-1742539-3	8-14, Str Style 1011/1015/1230/1335	AMP	(%) 1852774-3 and 1855463 with Crimp Die Type "F"	1

(#) Note - Refer to ILL. 2 for detail information of Die.

(%) Note - Refer to ILLS. 5 and 6 for detailed information of Crimping machine and Die

Wire strip length - 0.300 inch.

Ampere Rating - 20 A.

MARKING:

Connector marked with Recognized company name or trademark.

Unit container or information sheet marked with:

1. CU
2. Stranded or Str
3. Wire range
4. Crimp tool identification, see Ratings
5. Location and number of crimps, see Ratings
6. Wire strip length, see Ratings
7. Assigned ampere rating, see Ratings
8. Installation instructions
9. Catalog number

Crimping Tool - See ILLs. 3, 5 and 6.