

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component-Terminal Blocks, Cat. Nos. 1445075, 1445192, 1445677, 1445678, 1776279, 1776281, 1776282, 1776283, 1445902 and 1445903 with or with Prefix 1- or 4-, with suffix -0through -9.

USR, CNR - Component-Terminal Block Header Pin, Cat. No. 284515 with Suffix -4 or -6.

Note - USR - Investigated for compliance with United States Standard - UL 1059, the Standard for Terminal Blocks, Third Edition.

CNR - Investigated for compliance with Canadian National Standard - C22.2 No. 158-1987, the Standard for Terminal Blocks, dated December 1987.

GENERAL CHARACTER AND USE:

The terminal blocks covered by this report are intended for use in the following applications and within the ratings specified.

Commercial appliances such as business and EDP equipment, etc. General industrial such as motor controllers, pushbutton stations, etc.

Terminal Type -

	Top	Bottom
Terminal Blocks	Insulation displacement terminals	Female Header
Header Pins	Male Header Pin	Solder Pins

Type Wiring - The insulation displacement terminals are suitable for field and factory-wiring. The solder pin terminals are for factory-wiring only.

RATINGS:

Cat. No.	Max Voltage V	Max Current A	Wire Range AWG Copper
1445075, 1445192, 1445677, 1445678, 1776279, 1776281, 1776282, 1776283	300	5	22-24 Str/Sol
1445902, 1445903	300	2.5	26 Str/Sol
284515	300	5	N/A

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

Use - For use only in or with products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. The mounting suitability shall be determined in the end-use equipment.
2. The soldering post terminals are to be factory wired only and the suitability of the connection (including spacings between factory connections) shall be determined in the end use.
3. These devices have been investigated for use with copper conductors only.
4. The insulation displacement connectors are acceptable for field-wiring applications in accordance with the field-wiring requirements in UL 486E, Standard for Equipment Wiring Terminals, Third Edition.
5. Cat Nos. 1776281 and 1776283 are supplied with a screw flange. The screw flange has not been evaluated. The suitability of the screw flange dimensions and function shall be determined in the end use function.
6. Cat. No. 1445903 is supplied with panel mount screw holes. The panel mount screw holes have not been evaluated. The suitability of the panel mount screw holes dimensions and function shall be determined in the end use evaluation.

6. The plug-in pin contacts used with these terminal blocks have not been investigated for current-rupturing (make and break under load).

7. The base assembly header is provided with a printed circuit board edge card socket for a pluggable module and has not been investigated for current interruption.

8. These devices were subjected to the Accelerated Aging Test of C22.2-No. 158-1987, based on an operating ambient of 105°C, with acceptable results.

9. The insulating bodies are molded of polymeric materials, as specified in the following tabulation. The use of these materials shall be judged in the end use application.

<u>Manufacturer</u>	<u>Type No.</u>	<u>Temperature</u>
GE Plastics Americas	Valox 553	110°C
Bayer	Makrolon 6455	115°C

The above materials may be substituted interchangeably at 110°C.