

File E60677
Project 07ME11007

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REPORT

on

COMPONENT - TERMINAL BLOCKS

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DESCRIPTION

PRODUCT COVERED:

USR, CNR - Component terminal blocks, Cat. No. D-3900, D-3950.

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

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

GENERAL:

* The terminal block covered by this report is a two-piece multi pole terminal block having a PCB mounted header with solder pins, and plug-in blades which mate with a plug-in block having spring action terminals. D-3900 and D-3950 are intended for use in the following applications and within the ratings specified.

Application -

Commercial appliances (such as business and EDP equipment, etc.).

General Industrial (such as motor controllers, pushbutton stations, etc.)

Type Wiring Termination - Header - Solder Pins/Plug-in Blades
Plug-in block - Spring Action Terminals/Socket contacts

Type Wiring -

Factory and Field Wiring for spring action terminals. Factory-wiring only for solder pins.

<u>Cat. No.</u>	<u>Wire Size</u> <u>AWG</u>	<u>Wire</u> <u>Type</u>	<u>FW</u>	<u>TQ</u> <u>Lb-In</u>	<u>V</u>	<u>A</u>	<u>UG</u>
D-3900	14-20 str.	CU	2	N/A	300	14.5	B,C
					600	@	D
D-3950	14-22 str.	CU	2	N/A	300	14.5	B,C
					600	@	D

@- These limited ratings are applicable to a terminal block for use in or with industrial control equipment whereby the load on any single circuit of the terminal block does not exceed 15 A at 51-150 V, 10 A at 151-300 V, or 5 A at 301-600 V, or the maximum ampere rating, whichever is less.

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 spring action terminals comply with field wiring requirements in UL486E Standard for Equipment Wiring Terminals, Third Edition.
3. The terminal block soldering posts are to be factory wired only and the suitability of the connection (including spacings between factory connectors) shall be determined in the end-use.
4. The plug and socket contacts have not been evaluated for current rupturing (make and break under load).
5. The insulating bodies are molded of Recognized Component polymeric materials (QMFZ2). The acceptability of these materials shall be judged in the end use application.
6. The terminals have been investigated for use with copper conductors only.