



UNDERWRITERS LABORATORIES INC.
NORTHBROOK, IL SANTA CLARA, CA
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TEST'S REPORT

an independent, not-for-profit organization testing for public safety

File E60677
Project 87ME5087

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REPORT

on

COMPONENT - TERMINAL BLOCKS

AMP Inc.
Harrisburg, PA

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DESCRIPTION

PRODUCT COVERED:

Component terminal blocks, Cat. Nos. 172378-1, -2, 172380-1, -2.

GENERAL CHARACTER AND USE:

The terminal blocks covered by this Report are intended for use in the following applications and within the ratings specified. Cat. Nos. 172378-1, -2 are intended to be mated with Cat. Nos. 172380-1, -2 respectively. Suffix -1 denotes 12 pole unit, Suffix -2 denotes 20 pole unit.

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

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

Industrial control devices having limited ratings (see Par. 6.7 of the Standard).

Terminal Type -

Cat. No. 12380-1, -2 (load)

Cat. Nos. 12378-1, -2 (line)

Soldering Post

Pressure Screw

*Type Wiring - Factory wiring.

RATINGS:

<u>Cat. No.</u>	<u>Max Voltage, V</u>	<u>Max Current, A</u>	<u>Wire Range (AWG) Copper</u>	<u>Torque, lb-in.</u>
172378-1,-2	300	12	20-14 STR	12
172380-1,-2	300	12	20-14 STR	12

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR 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 suitability of the mounting means shall be determined in the end-use applications.
2. The suitability of the solder connections to the soldering posts shall be determined in the end-use applications.
3. Cat. Nos. 172378-1, -2 are intended to be mated to Cat. Nos. 172380-1, -2 respectively.
4. The Cat. No. 172378-1, -2 pressure screw terminals are intended for use with conductors that have been pre-terminated (prepared conductors) with suitable ring or spade terminals.
5. The suitability of ring or spade terminals used in conjunction with the Cat. No. 172378-1, -2 screw terminals shall be determined in the end-use equipment.
6. The minimum through air and over surface spacing between terminals of opposite and/or live terminals and grounded dead metal parts shall be maintained when terminations with ring or spade type pressure terminal connectors are made.
7. 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>Cat. No.</u>	<u>Material</u>	<u>Base Material Temperature Rating, °C</u>
172378-1,-2, 172380-1,-2	Novadur 5010GN3-15 by Mitsubishi Chemical Ind. Co.	130°C
172378-1,-2, 172380-1,-2	Novaduran 5010GN1-15(r2), and Novadur 5010GN6-15M8 (ccc)(r2) by Mitsubishi Engineering Plastics Corp. (E53664)	130°C