



UNDERWRITERS LABORATORIES INC.
CHICAGO · NORTHBROOK, ILL. · MELVILLE, N.Y. · SANTA CLARA, CALIF.

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

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REPORT

on

COMPONENT - TERMINAL BLOCKS

Control Products Division, Amerace Corporation
Union, New Jersey

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DESCRIPTION

PRODUCT COVERED:

Component - Terminal Blocks, Cat. Nos. RSB6, RSB6B, USB3B and PSB followed by suffixes tabulated herein.

See Ills. 1 through 7 for suffixes.

GENERAL:

These are multi-circuit terminal blocks which provide pressure wire connectors or wire-binding screws for line connections, and printed circuit, solder or wire-wrap terminals for load connections. These devices are intended for general industrial, commercial appliances, including business equipment, electronic data processing equipment, and the like and industrial devices having limited ratings (see Par 7.7 of the Standard), applications within the ratings specified.

Ratings -

Cat. No.	Max A	Wire Range			Torque, lb-in
		AWG	Cu	Max V	
RSB6B	10	-	-	300	-
RSB6	20	22	12	300	12.0
* PSB	10 (+)	22	12	600	12.0
USB3B	10	-	-	300	-

(+) - Refer to spacings section for current limitations at 600 V.

Two Conductor Combination for
Use With Two Solid or Two Stranded Conductors
One Wire on Each Side of Screw

Two, No. 16 AWG
Two, No. 18 AWG
Two, No. 20 AWG
Two, No. 22 AWG
Two, No. 14 AWG
Two, No. 12 AWG

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE USE):

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

Conditions of Acceptability -

1. The mounting suitability shall be judged in the end-use.
2. The suitability of connections to printed circuit, solder or wire-wrap terminals shall be determined in the end-use.
3. Pressure wire connectors and wire-binding screws may be suitable for field-wiring. All other termination types are for factory-wiring only.
4. These devices may be suitable for other than industrial applications, provided that spacings, insulation, heat rise, etc., are acceptable in the end-use.
5. The manufacturer may provide optional hardware such as quick-connect terminals, jumpers, etc. The suitability of such will be determined in the end-use.
6. The insulating bodies are molded of Recognized Component (QMFZ2) polymeric materials, as specified in the following tabulation.

<u>Material</u>	<u>Manufacturer</u>	<u>Temperature Rating</u>
		105°C (generic)

The acceptability of the insulating materials, including any higher temperature rating, is to be judged with respect to the end-use product temperature.

7. The tightening torque for field wiring pressure wire connector terminals is recorded in the ratings section of this Report. This torque value shall be marked on the end-use product for those categories which

Spacings -

The following min spacings in inches (mm) are maintained between uninsulated live-parts of opposite polarity, and between uninsulated live-parts and uninsulated grounded or dead metal parts.

	<u>Series</u>	<u>Max V</u>	<u>Through Air</u>	<u>Over Surface</u>
General Industrial Use	ALL	300	1/4 (6.4)	3/8 (9.5)
Commercial appliances, incl. business equipment, electronic data processing equipment, and the like	ALL	300	3/32 (2.4)b	3/32 (2.4)b
Industrial devices having limited ratings	PSB	600	3/16 (4.8)b	3/8 (9.5)

b - The spacing between wiring terminals of opposite polarity and the spacing between a wiring terminal and a grounded dead metal part shall not be less than 1/4 in (6.4 mm) if short-circuiting or grounding of such terminals may result from projecting strands of wire.

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

Marking - The manufacturer's name or trademark is molded in the insulating block. The cat. no. is provided on the shipping carton. Ratings are optional.

Corrosion Protection - All ferrous metal parts are suitably plated to resist corrosion.