

File E63492

June 8, 1994

REPORT

on

COMPONENT - TERMINAL BLOCKS

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D E S C R I P T I O NPRODUCT COVERED:

\* Component terminal blocks, Cat. Nos. GSK720 followed by H or V, followed by a one or two digit number, with or without DS, may be followed by additional suffixes.

GENERAL CHARACTER AND USE:

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

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

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

Terminal Type -Front (Line)

Pressure wire connector

Back (Load)

Soldering post

Type Wiring - Factory and field wiring.

RATINGS:

<u>*Cat. No.</u>	<u>Maximum Voltage V</u>	<u>Maximum Current, A+</u>	<u>Wire Range AWG-Cu Solid/Stranded</u>	<u>Torque Nm</u>	<u>(lb-in)</u>
*GSK720V	300	10	16-26	0.3	(2.7)
*GSK720H	300	10	16-26	0.3	(2.7)

+ - 10 A maximum field wiring (general industrial use).  
See Spacings table.

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CATALOG NUMBER NOMENCLATURE CODE:

\* Example: GSK720      H      2      DS      XX  
                          A            B            C            D            E

A - Catalog number designation

B - Solder pin orientation

H - Horizontal

V - Vertical

C - Number of poles

\* One or two digit number

D - Terminal variations

DS - Wire guard provided

None - Wire guard omitted

\* E - Optional suffixes (Commercial Purposes Only) -  
Additional suffixes may be added.

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 solder pin terminals are to be factory wired only and the suitability of the connection (including spacings between factory connectors) shall be determined in the end use.

2. 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>Material</u>	<u>Base Material Temperature Rating, °C</u>
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140

3. 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 require torque markings for field terminal conductors.

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CONSTRUCTION DETAILS:

The product shall be constructed in accordance with the following description.

Marking - The marking of a terminal block shall include:

1. The manufacturer's name or trademark on the terminal block.
2. The catalog numbers which may be marked on the terminal block, shipping carton, or stuffer sheet placed in the shipping carton.
3. Wire range, tightening torque, ampere, and voltage rating are optional.

Corrosion Protection - All parts are of corrosion resistant material or are suitable plated to resist corrosion.

Spacings - The following minimum spacings in inches (millimeters) shall be maintained between uninsulated live parts of opposite polarity, uninsulated live parts, and uninsulated grounded parts other than the enclosure or exposed metal parts.

	Maximum V	Through Air	Over Surface
Commercial appliance, including business equipment, electronic data processing equipment, etc.	250	3/32 (2.4)	3/32 (2.4)
General industrial+	300	1/16 (1.6)	1/8 (3.2)

+ - These spacings are applicable to a terminal block for use with industrial control equipment whereby the following is met:

- A. Device rated 1 hp (746 W output) or less, 720 VA or less - break pilot duty; or not more than 15 A at 51-150 V, or 10 A at 151-300 V.
- B. That the device controls more than one load provided the total load connected to the line at one time does not exceed 2 hp (1492 W output), 1440 VA, or have a current rating greater than 30 A at 51-150 V, 20 A at 151-300 V, or 10 A at 301-600 V.

The details of construction are illustrated in the following accompanying illustrations.

