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REPORT

On

COMPONENT - TERMINAL BLOCKS

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DESCRIPTION

PRODUCT COVERED:

* Component Terminal Blocks, Cat. No. GSK801, followed by a one or two digit number, with or without Suffix DS, may be followed by additional suffixes.

GENERAL:

The terminal blocks are formed into multicircuit terminal strips from 1 to 12 positions which provides screw tightening pressure wire connectors for conductor termination. They are intended for printed circuit board mounting and are suitable for factory wiring in general industrial or commercial application within the ratings specified below.

Ratings -

<u>Cat. No.</u>	<u>Maximum Amperes</u>	<u>Maximum Wire Size</u>	<u>Maximum Voltage General Ind. /Commercial</u>
GSK801, GSK801DS	15	No. 14 AWG, Cu	300/250

Suffixes - / followed by 1 or 2 digit number is an optional suffix denoting number of poles.

*TERMINAL BLOCK NOMENCIATURE CODE:

*	<u>GSK801</u>	<u>/2</u>	<u>DS</u>	<u>XX</u>
	1	2	3	4

*1. Basic Construction -
GSK801

*2. Number of Poles -
1 or 2 digit number

*3. Wire Guard-
DS - Provided with a wire guard
No suffix - No wire guard provided

*4. Optional Suffixes (Commercial Purposes Only) Additional suffixes may be provided

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

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

Conditions of Acceptability -

1. The mounting suitability should be determined in the end use.
2. The terminals have not been investigated for field wiring.
3. The insulating base materials shall not exceed their assigned max operating temperature rating.
- 3A. The insulating bodies are molded of Recognized Component plastic *(QMFZ2) as specified in the following tabulation.

<u>Material Manufacturer</u>	<u>Material Designation</u>	<u>Base Material Temperature Rating, °C</u>
[REDACTED]	[REDACTED]	105
	[REDACTED]	105 (generic)
	[REDACTED]	125
	[REDACTED]	130
	[REDACTED]	130
	[REDACTED]	105

The materials above may be used interchangeably at 105W.

4. These devices are suitable for other than general industrial or commercial applications provided that insulation, spacing, heat rise, etc. are acceptable in the end use.
5. These devices should be prevented from turning when used as a one gang terminal block.
6. These devices have been investigated for use with copper conductors only.

CONSTRUCTION DETAILS:

Spacing - The following mm spacings in inches (mm) are maintained between uninsulated live parts of opposite polarity, uninsulated live parts and uninsulated grounded parts other than the enclosure or exposed metal parts.

	<u>Volts</u>	<u>Through Air</u> <u>Inch (mm)</u>	<u>Over Surface</u> <u>Inch (mm)</u>
<u>Commercial Appliance Use:</u>	126-250	3/32 (2.4) ^b	3/32 (2.4) ^b
<u>General Industrial Use:</u>	151-300	1/4 (6.4)	3/8 (9.5) ^b

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

Marking - Company name or trademark and catalog number or type designation on device or shipping.

Corrosion Protection - All metal parts are of corrosion resistant material or are suitably plated or painted to resist corrosion.

Tolerance - Unless otherwise specified, all dimensions are nominal.

- A. CAT. NO. GSK801
- B. CAT. NO. GSK801DS - FIG. 1 (M85-10321)

General - Fig. 1 shows integrally molded terminal blocks. This devices may be molded into continuous strips of one or more units. This gang may be cut to smaller gang sizes including a single terminal block. Cat. No. GSK801DS is identical to Cat. No. G5K801 except that a wire protector is provided under pressure screw.

1. Complete Assembly - Complete three gang terminal block assemblies are shown. For component details see Items 2 through 5 below.
- *2. Body - One mm min material thickness. See Ill. 1 for dimensional details.

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3. Wire Connector - Tin plated copper alloy. 4.5 mm wide by 6 mm high by 5.5 mm deep with 3.4 mm dia wire entry hole. Top tapped for size M3 screw. Integral 7.5 mm long by 1 mm dia solder pin formed on bottom face.
4. Wire Connector Clamping Screw - Zinc plated steel Size M3 screw. 5 mm long under head.
5. Wire Protector - (Cat. No. GSK801DS only) - Stainless steel, 0.25 mm thick, 15 mm long straightened out.