

B100, #B100 SERIES, ONE-PIECE BLOCKS — PHENOLIC

PHYSICAL PROPERTIES

Housing:

HOUSING MATERIAL: Phenolic, filled flame retardant

FLAMMABILITY: UL94V-1

COLOR: Black

Contacts:

STANDARD MATERIAL: Electrical grade copper or copper alloy conductor. Steel screws plated to resist corrosion in most industrial applications.

BRASS MATERIAL: For Corrosive Environment (2B100, 4B100 Series) Nickel plated brass straps and screws. Meets specification QQ-N-290A Class 1, Grade G

WIRE RANGE: Strap Screw: #18-8 AWG solid or stranded; Strap Clamp: #18-8 AWG solid or stranded; Tubular Clamp: #14-6 AWG solid or stranded

SCREW TYPE: Strap Screw: #10-32 Binding Head; Strap Clamp: #8-32 Pan head w/Clamp and Lockwasher; Tubular Clamp: #1/4"-28 Set Screw

STRAP SCREW: 7/16" max. lug width

Mechanical:

PITCH (TERMINAL SPACING): .63"

WIRE STRIP LENGTH: Strap Screw: as needed for lugging; Strap Clamp: 1/2"; Tubular Clamp: 1/2"

ELECTRICAL PROPERTIES:

MAXIMUM CURRENT: 70A for a single #6 AWG wire

OPERATING VOLTAGE: Blocks meet 600V creepage and clearance requirements for general industrial control equipment and panelboards; greatly exceeds IEEE switchgear standards for 750 volts.

DIELECTRIC STRENGTH (RH 40% @ SEA LEVEL):

300 Volts/mil thickness per ASTM D149

UL HIGH VOLTAGE ARC TRACKING (IN./MIN.): .49-.58

ENVIRONMENTAL PROPERTIES:

MAX. CONTINUOUS TEMPERATURE: 150° C (302° F)

WATER ABSORPTION (24HRS. % WT. GAIN): .45% per ASTM D570

CHEMICAL RESISTANCE: Resistant to acids, alkalies, and aliphatic hydrocarbons and ketones per ASTM D543

RADIATION RESISTANCE (ERGS G⁻¹ (C)): 2.7 x 10⁸ min

UL INDEPENDENT TESTING SERVICE RECOGNITIONS:

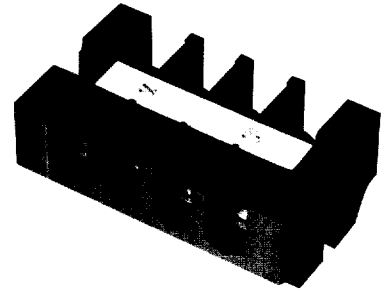
WIRE SIZES: Solid or Stranded, Tubular Clamp

1—#6 AWG, 1—#8 AWG, 1or 2 — #10 AWG, 1or 2—#12 AWG, 1 to 3—#14 AWG, 1 —#10 & 1 —#12 AWG

1 — #12 & 1 — #14 AWG

Strap Clamp

1 — #18 through 1 — #8 AWG



Ordering Information

CIRCUITS	STEEL SCREW W/STRAP	STRAP CLAMP	TUBULAR CLAMP	BRASS SCREW W/STRAP
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Contact Type



Standard

2	B102	B102C	B102S	2B102
4	B104	B104C	B104S	2B104
6	B106-BU	B106C	B106S	2B106
8	B108	B108C	B108S	2B108
12	B112-BU	B112C	B112S	2B112

Shorting

2	3B102P	—	—	4B102P
4	3B104P	—	—	4B104P
6	3B106P	—	—	4B106P
8	3B108P	—	—	4B108P
12	3B112P	—	—	4B112P

CIRCUITS	STRAP SCREW #8 & SMALLER	THREADED POST & NUT
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Removable Link

2	5B102	—
4	5B104	—
6	5B106	—
8	5B108	—
12	5B112	—

Stud

2	—	7B102
4	—	7B104
6	—	7B106
8	—	7B108
12	—	7B112

NOTES:

For prenumbered marking strip, add suffix "N" to Catalog Number. Cannot be used on 3B or 4B series.

For factory assembled hinged cover, add suffix "H" to Catalog Number. Cannot be used on 3B or 4B series.

For factory assembled thumbscrew-fastened cover, add suffix "T" to Catalog Number. Cannot be used on 3B or 4B series.

Screws and removable links shipped unassembled.

Except for 3B and 4B Series



LR25557



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