

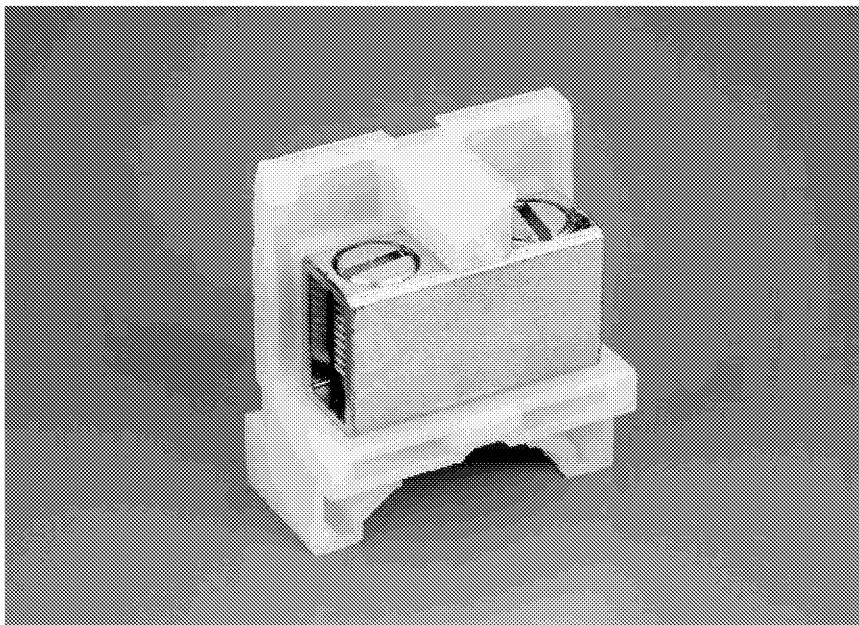
**DESCRIPTION / APPLICATION**

This line of 600 volt blocks is rated up to 150 A and is available in a standard version and a corrosion resistant version.

**DESIGN ADVANTAGES**

- An exceptionally compact block that accepts single or combinations of AWG wire sizes as large as #1/0 — at least 92 circuits per 6 foot length, 3/4 inch center-to-center spacing.
- Tubular screw contact style accepts AWG wire sizes from #12 thru #1/0, solid or stranded.
- Same block mounts on surface or channel — two-way mounting base fits standard channel or mounts directly to flat surfaces.
- Packaged for rapid handling and assembly — snap-fit sections packaged 10 per carton.
- Contacts conservatively rated at 155 amperes per circuit when used with copper wire.
- Only one end section needed per block assembly.
- Readily identify circuits — blocks available with painted marking surface or use removable vinyl marking strip. Preprinted marking strips are also available.
- Factory assembled blocks available.
- Nylon housing material for the most rugged applications.
- Allen head screw for aluminum wire — screw tip design protects aluminum wire from overtightening. Slotted screw head for copper wire.
- Intermediate Heavy Duty blocks snap-fit with 300 & 600V, Medium duty phenolic, Heavy Duty nylon, polypropylene and phenolic and Fuse and Switch blocks.

## 800 SERIES INTERMEDIATE HEAVY DUTY

**BUCHANAN®**  
LR25557 E63810

### 800 SERIES INTERMEDIATE HEAVY DUTY 600V, 0.75" PITCH

#### PHYSICAL PROPERTIES

##### Housing

MATERIAL: Polyamide type 6/6, unfilled  
 MAX CONTINUOUS TEMP.: 125° C (257° F)  
 WATER ABSORPTION (24HRS. % WT. GAIN): 1.5%  
 FLAMMABILITY: 94V-2  
 CHEMICAL RESISTANCE: Resistant to aromatic hydrocarbons, strong alkalis  
 RADIATION RESISTANCE (ERGS G<sup>-1</sup> (C): 8 x 10<sup>7</sup>  
 COLOR: Translucent white

#### ELECTRICAL PROPERTIES

VOLTAGE RATING: Blocks meet 600V clearance and creepage requirements of NEMA, UL, and CSA standards for general industrial control equipment and panelboards. Withstand voltages in excess of IEEE switchgear standards for 750V.

BREAKDOWN VOLTAGE, AC, 60HZ:

Contact to Contact: 8,800V

Contact to Ground: 9000V

DIELECTRIC STRENGTH — RH40% @ SEA LEVEL:

470-385 Volts/mil thickness per ASTM D149

OPERATING VOLTAGE: Blocks meet 600V creepage and clearance requirements; withstand voltage greatly exceeds standards for 750V

UL HIGH VOLTAGE ARC TRACKING (IN./MIN.): .01-.35

#### CONTACTS

##### Standard Contacts

MATERIAL: Electrical grade copper conductor  
 SCREWS: Steel, zinc plated to resist corrosion in most applications

##### Duramax Contacts

(for highly corrosive atmospheres)

TUBULAR SCREW: Electrical grade copper tube with nickel plating; nickel plated brass screws. Nickel plating exceeds specification QQ-N-290 Class 1, Type VII.

WIRE RANGE: #12-1/0 AWG, solid or stranded

WIRE STRIP LENGTH: 11/16"

SCREW TYPE: 7/16" - 20 slotted headless screw

#### INDEPENDENT TESTING SERVICE

##### LISTING AND RECOGNITION

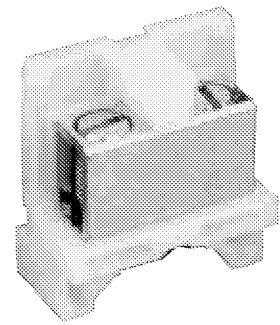
UL WIRE SIZES: Solid or Stranded, Tubular Screw

1 — #1/0 AWG, 1 — #1 AWG

1 — #2 AWG, 1 or 2 — #4 AWG

1, 2 or 3 — #6 AWG, 1, 2, 3 or 5 — #8 AWG

1 to 6 — #10 AWG, 1 to 7 — #12 AWG



#### Ordering Information

CATALOG #	DESCRIPTION
814	Tubular Screw, Unpainted
824-BU	Tubular Screw, Painted
D814	Corrosion Resistant, Unpainted
D824	Corrosion Resistant, Painted
830	End Section

#### NOTES:

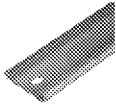

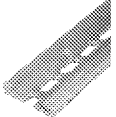
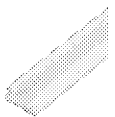





For factory assembled blocks on channel, prefix catalog # with "0" and suffix with number of blocks desired. Without channel (maximum of 6 sections) delete "0".


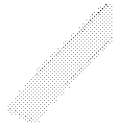
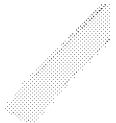




Example: Ten tubular screw sections preassembled on channel = 082410

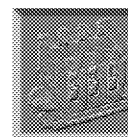
For unpainted factory assembled blocks supplied with a removable marking strip add -1 to catalog number.

For blocks with two or more different contact sections, imprinted marking strips or special features; consult factory.

### 800 SERIES INTERMEDIATE HEAVY DUTY ACCESSORIES

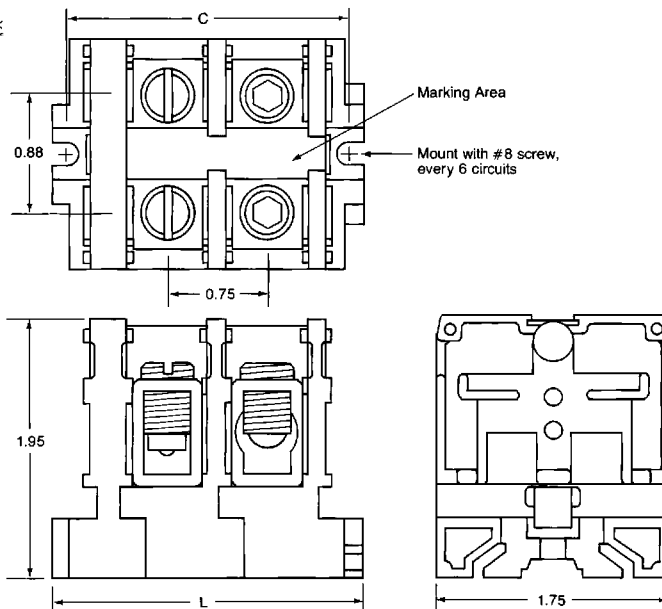
MOUNTING CHANNEL				CHANNEL CLAMPS				
								
STEEL CHANNEL	BREAK AWAY STEEL	PRE-PUNCHED ALUMINUM CHANNEL	ELEVATED ALUMINUM CHANNEL	SCREW CHANNEL CLAMPS	UNIVERSAL CLAMPS	SNAP-IN CLAMPS	SEE-THRU COVER	GANGING ROD
<b>Catalog Number</b>								
60 63-BU	60-B-36	64 67	60-SO	61	68	62	93-BU	30
<b>Standard Package</b>								
6 feet 3 feet	3 feet	6 feet 3 feet	6 feet	100	100	100	25	2 feet

MARKING ACCESSORIES						JUMPERS
						
PLASTIC CLOTH TAPE	PLASTIC CLOTH TAPE	VINYL MARKING STRIPS	ELEVATED MARKING STRIP	NYLON HOLDING PLUG	MARKING PEN	SNAP-APART JUMPER
<b>Catalog Number</b>						
66	55-BU	50-BU	52	16	99-BU	76
<b>Standard Package</b>						
1 sheet	50 feet	25 feet	18 inches	100	12	12 ckt



## 800 SERIES INTERMEDIATE HEAVY DUTY

### FLAT BASE



### DOVETAIL BASE MOUNTED ON STANDARD #60 CHANNEL

