



# IEC Enclosed Listed Power Distribution Blocks

## Features and Approvals:

- 1 UL Listed (UL1953)
- 2 Flexible Stranded Wire Approval
- 3 High Short Circuit Current Rating UL508A
- 4 Integral dovetail features for multi-line stackup
- 5 Meets Feeder spacing requirements of UL508A
- 6 Enclosed for electrical safety



*Unique Solutions for Power Distribution...*



## IEC Enclosed Listed Power Distribution Blocks

Marathon Special Products has been a quality manufacturer of power blocks for over thirty-five years. We are proud to announce our latest addition to our Enclosed Power Block line. IEC enclosed power blocks combine proven wire termination methods with the safety of European touch-proof design. These blocks are ideally suited for electrical control panels.

### UL Listed...

Listed products only require verification that the product is used in accordance with its labeled listing. This avoids verification of "Conditions of Acceptability" for the specific application and avoids documenting the manufacturer's procedure for these conditions. Listed blocks meet the latest requirements of the 2005 National Electric Code (NEC) and UL508A, which now require many electrical panels to carry a Short Circuit Current Rating (SCCR) and greater voltage spacing for use in feeder circuits. Listed Power Distribution blocks have minimum spacing requirements for use in feeder circuits per UL508A up to 600 Volts.

### High SCCR Ratings...

Our power distribution blocks have been investigated by UL for high short-circuit current ratings (SCCR). The distribution version has a minimum rating of 65kA and the splicer version has a rating of 100kA. Unmarked blocks have default ratings of 10kA.

### Flexible Stranded Wire Approval...

Marathon is the first manufacturer of screw-type mechanical pressure wire connectors to have UL approvals for flexible stranded wire (Classes G, H, I, K). These approvals fulfill the requirements of UL508A (Industrial Control Panels), Section 29.3.11.

### Datasheets...

Detailed datasheets for each individual part are available at [www.marathonsp.com](http://www.marathonsp.com). These datasheets provide the user with complete application information including wire range, electrical ratings, mechanical ratings, short circuit current ratings (SCCR), agency and wire approvals, accessory information and drawings.

### Construction...

The EPB series insulator bases are molded using a gray, glass filled polycarbonate, which provides excellent strength, flexibility, flammability and temperature resistance. This reinforced plastic and dovetailed assembly provides the strongest mechanical construction available. The EPB design follows IEC 529 requirements of being IP-20 (Finger Safe).

### Mounting...

The EPB power block can either be panel mounted or mounted on a 35 mm DIN rail. Flexible DIN clips are integral to the insulator base. This design requires less panel space and allows quick installation.

### Gangable...

The insulator base incorporates dovetail features for ganging multiple poles (separate inter-locking pieces not required). Reducing inventory is possible by stocking fewer items.

### Enclosed for Electrical Safety...

Our enclosed power blocks provide a touch-proof protection (IP-20) which meets the requirements of IEC 60529. This can eliminate the need for more costly methods of protecting panel components such as covering the panel with clear plastic insulator sheets.

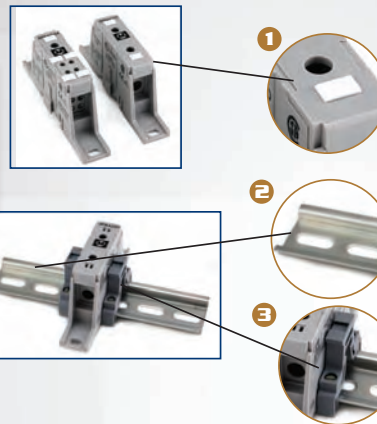
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### Exclusive Features:

- Integral Dovetail Features for Multi-Line Stackup
- Meets Feeder spacing Requirements of UL508A
- Enclosed for electrical safety

### Accessories:

- 1 White Markers to Identify Circuits
- 2 DIN rail for mounting option
- 3 End piece for DIN rail (MSK35)



Catalog #	SCCR, RMS SYM Amps 600 Volt Max	Amperage CU Wire 75°C	Line Connector Configuration	Line Wire Range	Openings Per Pole	Load Connector Configuration	Load Wire Range	Openings Per Pole
EPBAD21	100,000	115		#2 - #14 AWG 35 - 2.5 mm <sup>2</sup>	1		#2 - #14 AWG 35 - 2.5 mm <sup>2</sup>	1
EPBAD24	65,000	115		#2 - #14 AWG 35 - 2.5 mm <sup>2</sup>	1		#10 - #14 AWG 6 - 2.5 mm <sup>2</sup>	4

**Note:** 1) The ampacities are based on Table 310-16 of the NEC.  
2) The connectors were tested and approved per UL 486 A/B.  
3) See [www.marathonsp.com](http://www.marathonsp.com) for detailed SCCR information.

### Catalog Description...

EPB	A	D	21
<b>Connector Material</b>			
A - Aluminum rated copper or aluminum wire		D - Mount on 35 mm DIN rail or flat panel	21 - (1) #2 to (1) #2 24 - (1) #2 to (4) #10

### Specifications...

#### Electrical

- 600 Volts AC/DC (UL 1059 Class B and C)
- 690 Volts (IEC)
- Up to 115 Amps
- Wire Range #2 to #14

#### Mechanical

- Base, Gray Thermoplastic, 125° C (257° F) (UL RTI)
- Flammability, UL 94 V-0
- Mounting: DIN or panel mount

#### Standards:

- UL Listed File No. QPQS.E309401 (UL 1953)
- CSA Certified File No. LR19766 (CSA C22.2 No.158)
- CE (Component IEC 60947-7-1)
- IEC 529, IP-20
- ROHS Compliant

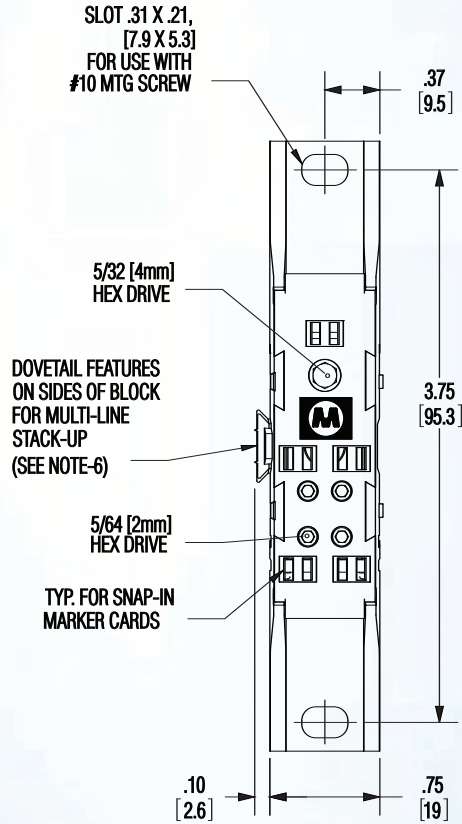
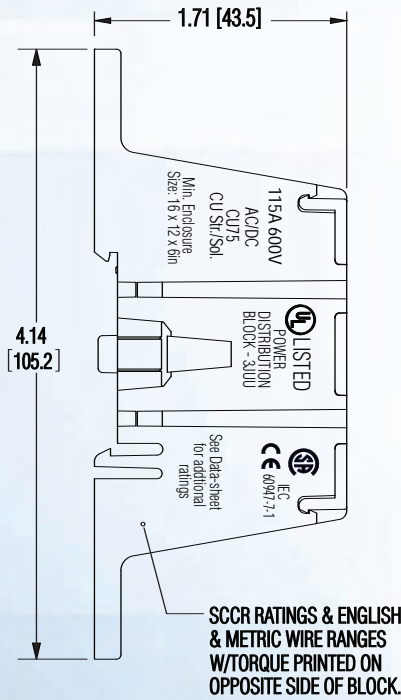


Pictures left to right: EPBAD24, EPBAD21

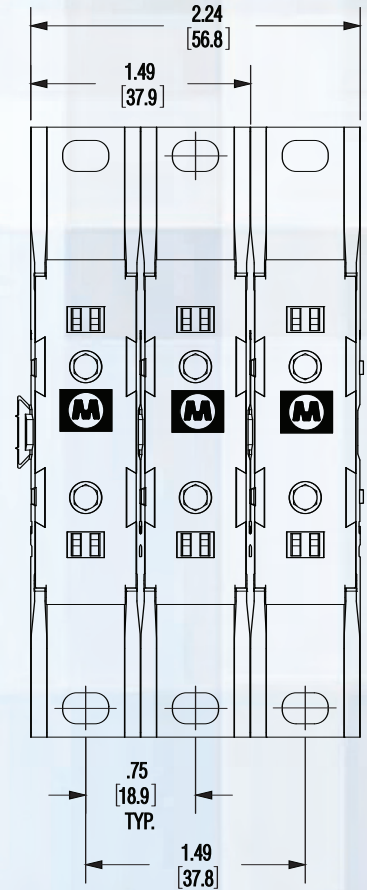
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# IEC Enclosed Listed Power Distribution Block Dimensions

EPBAD2X



STACK-UP DIMENSIONS  
(If Dovetail is used for Multi-Line)



ISO 9001  
A2314



MARATHON  
SPECIAL PRODUCTS

Made In U.S.A.

