

Motor Terminal Blocks

Marathon Special Products has been an industry leader in electrical/electronic components designed for circuit protection and connection applications for over 60 years.

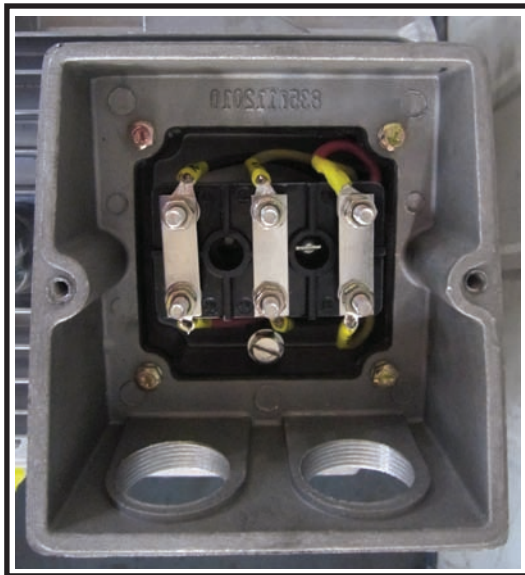
We are pleased to introduce our new **Motor Terminal Blocks**. The new motor blocks provide a systematic method to wire electrical motors in the motor's junction box and allow for circuit management.

These blocks allow for much easier circuit testing and motor replacement over the traditional method of bolts, nuts and insulation. The motor terminal block links can be assembled for either wye or delta wiring configurations.

These blocks offered by Marathon Special Products are the only Motor Terminal Blocks with up to 1,000V rating and are available in amperages up to 520A. To achieve these ratings, wires need to be terminated with UL Listed crimp lugs.



Shown left to right: ST750M8 and ST750M12



Motor Terminal Block application

ELECTRICAL/MECHANICAL

- Insulator base, high strength polyester (130°C and UL 94 V-0)
- 35 to 520 Amps
- Up to 1000 Volts
- Studs and hardware, steel, zinc plated
- Terminal links, copper, nickel plated
- Terminal links & hardware provided assembled

CERTIFICATIONS

-  UL Recognized File No. XCFR2.E62806
-  UL Investigated to CSA 22.2 No. 158, File No. XCFR8.E62806
-  UL Investigated to IEC 60947-7-1, File No. XCHG2.E243117, IEC 60947-7-1
- UL Investigated to SANS 1804-2
- RoHS and REACH Compliant

The majority of Marathon's products have been tested and comply to UL requirements for use with flexible stranded wires, have short-circuit current ratings (SCCR) and are CE 1000 Volt AC/DC rated. Marathon's short lead times, technical support, and excellent customer service ensure you receive a quality product as quickly as possible. Please visit www.marathonsp.com for detailed datasheets and specific product information. You can also call (419) 352-8441 or email us at marketing@marathonsp.com.



Motor Terminal Blocks

Catalog Number	Stud Size	Style	Amperage		Voltage			Wire Range (mm)	
			UL/CSA	IEC	UL/CSA ⁺	IEC	Sans 1804	Max.	Min.
ST755M4	M4	One piece	38A	50A	300V (C/C)	630V	250V	#8 AWG	#18 AWG
ST750M4	M4	One piece	35A	50A	1000V (E/C)	1000V	1100V	#8 AWG	#18 AWG
ST755M5	M5	One piece	50A	50A	600V (C/C)	800V	660V	#8 AWG	#16 AWG
ST750M6	M6	One piece	101A	121A	1000V (E/C)	1000V	1100V	#2 AWG	#14 AWG
ST750M8	M8	One piece	160A	185A	1000V (E/C)	1000V	1100V	2/0 AWG	#12 AWG
ST755M10	M10	One piece	185A	217A	1000V (E/C)	1000V	1100V	3/0 AWG	#8 AWG
ST755M12	M12	One piece	242A	271A	1000V (E/C)	1000V	1100V	250 kcmil	#8 AWG
ST750M12	M12	Two piece	315A	374A	1000V (E/C)	1000V	1100V	400 kcmil	#8 AWG
ST750M16	M16	Two piece	520A	520A	1000V (E/C)	1000V	1100V	(2) 300 kcmil	(2) #2 AWG

+UL Voltage Classes - C = General Industrial; E = Terminal Blocks rated 601-1500V

+CSA Voltage Classes - C = General Industrial

All blocks include links and hardware assembled

FIGURE 1:

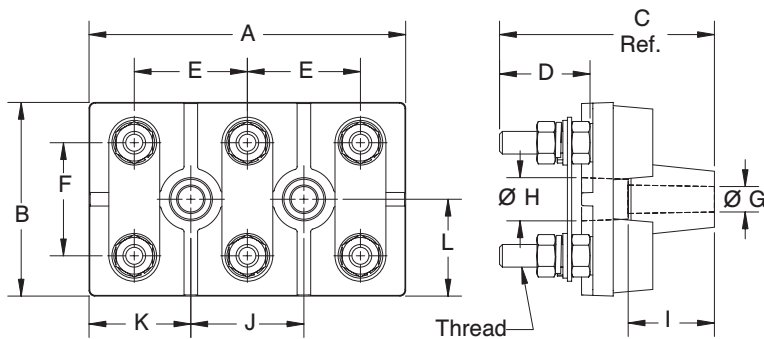
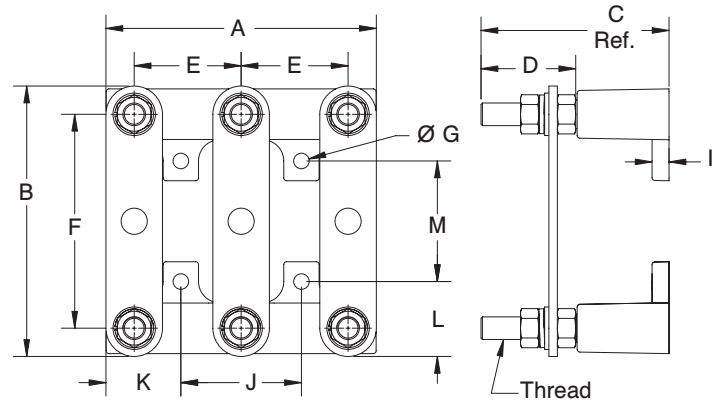


FIGURE 2:



Catalog Number	Thread Size	Description	FIG	A	B	C	D	E	F	G	H	I	J	K	L	M
ST755M4	M4 x 0.7	One piece base with risers	1	55.0	33.0	43.0	16.0	20.0	20.0	6.0	10.0	20.0	22.0	16.5	16.5	N/A
ST750M4				63.0	36.5	42.0	16.5	26.5	26.5	5.8	10.0	9.0	26.5	18.3	18.3	N/A
ST755M5	M5 x 0.8			68.0	40.0	45.0	20.0	25.0	25.0	5.9	10.0	18.0	25.0	21.5	20.0	N/A
ST750M6	M6 x 1.0			85.0	50.0	62.0	27.0	30.0	30.0	7.0	12.0	23.6	30.0	27.5	25.0	N/A
ST750M8	M8 x 1.25			112.0	68.5	76.0	32.0	40.0	40.0	9.0	15.3	31.0	40.0	36.0	34.3	N/A
ST755M10	M10 x 1.5			140.0	86.0	91.0	45.0	50.0	50.0	9.0	15.3	30.5	50.0	45.0	43.0	N/A
ST755M12	M12 x 1.75	Two piece base	2	170.0	110.0	97.0	45.0	60.0	60.0	11.2	18.0	28.0	60.0	55.0	55.0	N/A
ST750M12				179.2	167.0	107.0	51.0	69.7	133.2	11.0	N/A	12.0	85.3	47.0	40.9	85.3
ST750M16	M16 x 2.0			201.3	191.0	133.0	67.0	75.7	151.3	11.0	N/A	12.0	85.3	58.0	52.9	85.3

For electronic drawings or 2D/3D CAD data, submit request at www.marathonsp.com/drawings.html



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