



1204 Terminator

(Catalog Number 1204-TFA1, 1204-TFB2)

Where this Option is Used

The 1204 Terminator Option can be installed in most adjustable frequency AC drive applications to increase protection of the AC motor. The option is designed to be used with Allen-Bradley Adjustable frequency AC drives. When installed at the motor terminals, the terminator can reduce potentially destructive reflected wave spikes that can occur with long motor leads.

What this Option Contains

The Terminator Option contains the terminator device with an attached 1.4 meter (4.5 feet) standard 4 wire 3 mm² (12 gauge) connection cable.

What these Instructions Contain

These instructions contain the information you need to properly install the Terminator Option. Recommended mounting, connecting, and grounding procedures are included. Major topics and page numbers are listed below.

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Catalog Number Description

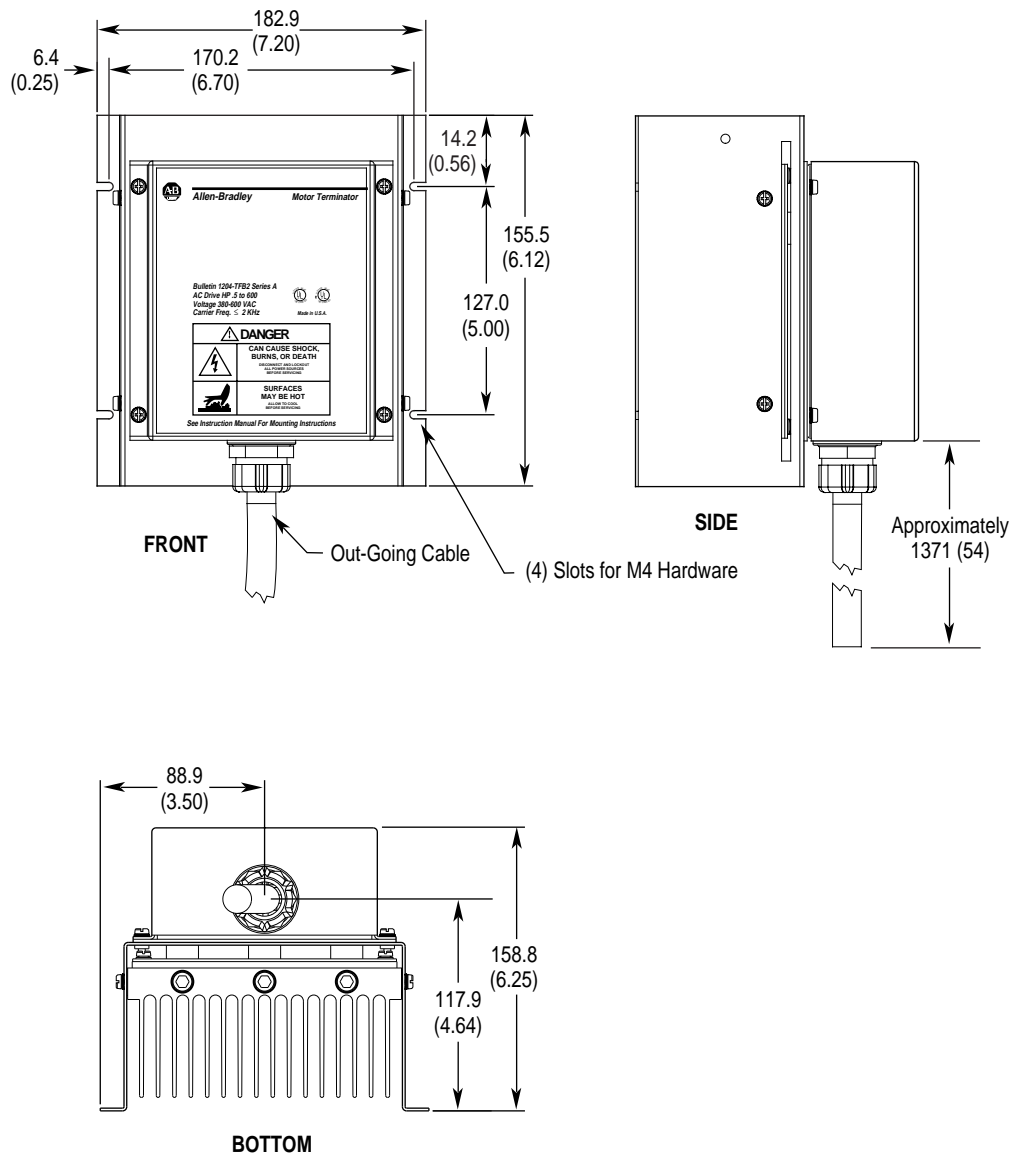
The following table provides information about the catalog number for the Terminator Option:

1204		-T		F		B2			
First Position		Second Position		Third Position		Fourth Position			
Bulletin No.		Type		NEMA Rating		Voltage Rating & Size			
Description	Letter	Description	Letter	Description	Code	Voltage Rating	Drive kW (HP) ¹	Maximum Allowable Drive Carrier Frequency	
Bulletin Number	T	Terminator	F	NEMA Type 4	A1	380-600V	0.37-3.7 (0.5-5)	6 kHz	
					B2	380-600V	1.5-597 (2.0-800)	2 kHz	

¹ Refer to the maximum cable length tables on pages 4 through 6.

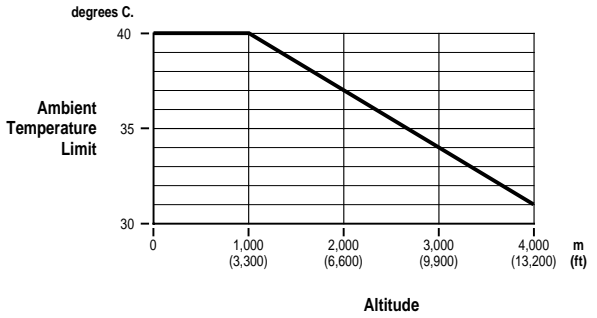
Dimensions, Weights and Cable Locations

Refer to the following diagram for terminator dimensions and cable locations. The dimensions are given in millimeters and (inches). The terminator weighs 3.86 kilograms (8.5 pounds).



Specifications

The following specifications are provided for the Terminator Option.

Category	Specifications
Input power	380-600V, Three-Phase
Maximum Drive Carrier Frequency ¹	TFA1 – 6 kHz TFB2 – 2 kHz Refer to “ <i>Drive Programming</i> ” on page 9 for additional information.
Ambient temperature	0-40 degrees C (32-104 degrees F)
Humidity	5-95% non-condensing
Atmosphere	Atmosphere should not contain hazardous (volatile) dust, vapor, gas, or liquid.
Heat dissipation ¹	Refer to the heat dissipation table below.
Enclosure type	IP65 (NEMA Type 4x)
Agency certification	U.L., C-UL
Altitude derating	Full rating 0-1000 meters (0-3280 feet) 

¹ The drive PWM carrier frequency that you choose affects the heat dissipation and the surface temperature of the terminator.

Heat Dissipation

This chart is based on an ambient temperature of 45 degrees C.

Drive Frequency	Length <i>meters (feet)</i>	1204-TFA1 Terminator				1204-TFB2 Terminator			
		460 Volts + 10%		600 Volts + 10%		460 Volts + 10%		600 Volts + 10%	
		Watts	Heatsink°	Watts	Heatsink°	Watts	Heatsink°	Watts	Heatsink°
6 kHz	91 (300)	210W	142° C	220W	150° C	Must Use 2 kHz			
	183 (600)	250W	160° C	260W	169° C				
4 kHz	91 (300)	170W	125° C	180W	133° C				
	183 (600)	180W	130° C	210W	138° C				
2 kHz	91 (300)	80W	81° C	100W	95° C	200W	139° C	290W	182° C
	183 (600)	90W	88° C	140W	104° C	250W	160° C	360W	215° C