

Electrical Characteristics

Introduction

The rack delivers 24 Vdc and 3.3 Vdc to supply the backplane and connected modules.

Backplane Power Consumption

Power consumption of the rack backplanes:

Rack Type	Backplane Average Current Consumption	
	3.3 Vdc Supply Power	24 Vdc Supply Power
BMEXBP0400 (H)	49 mA (162 mW)	118 mA (2.8 W)
BMEXBP0800 (H)	64 mA (211 mW)	164 mA (3.9 W)
BMEXBP1200 (H)	86 mA (283 mW)	164 mA (3.9 W)
BMEXBP1002 (H)	76 mA (251 mW)	162 mA (3.9 W)
BMEXBP0602 (H)	58 mA (191 mW)	152 mA (3.6 W)

Mean Time Between Failures

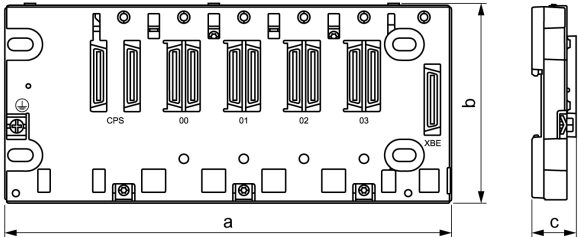
The rack MTBF is a component of the global system MTBF:

Rack Type	MTBF (Hours at 30 °C Continuous)
BMEXBP0400 (H)	2000000
BMEXBP0800 (H)	1700000
BMEXBP1200 (H)	1500000
BMEXBP0602 (H)	201000
BMEXBP1002 (H)	1770000

Rack Dimensions

BMEXBP**00 Dimensions

This illustration displays the overall dimensions of the BMEXBP**00 racks:

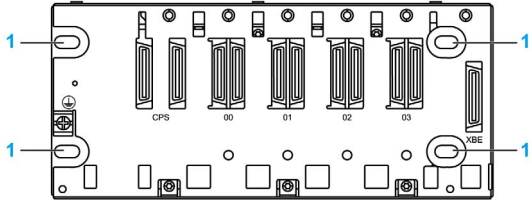


Dimensions of each BMEXBP**00 rack:

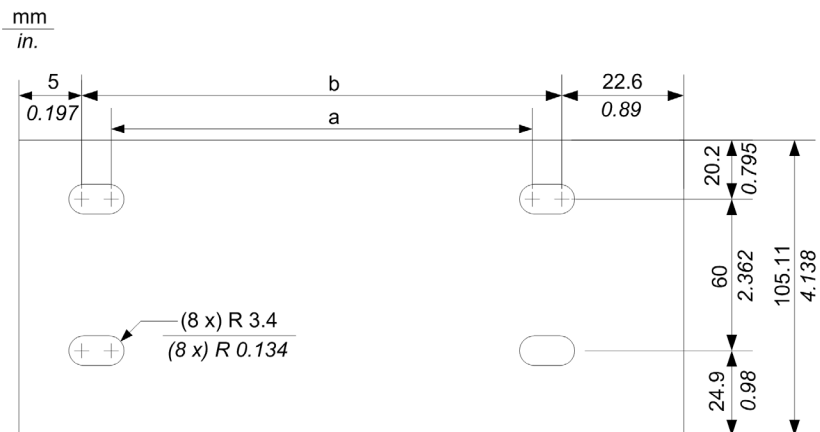
Rack Type	a		b	c
	Empty Rack	Rack + Extender Module Mounted		
BMEXBP0400 (H)	242.4 mm (9.543 in.)	243.58 mm (9.59 in.)	105.11 mm (4.138 in.) (See note.)	19 mm (0.748 in.)
BMEXBP0800 (H)	372.8 mm (14.677 in.)	373.98 mm (14.724 in.)		
BMEXBP1200 (H)	503.2 mm (19.811 in.)	504.38 mm (19.857 in.)		
BMEXBP0602 (H)	375.8 mm (14.795 in.)	376.98 mm (14.841 in.)		
BMEXBP1002 (H)	506.2 mm (19.929 in.)	507.38 mm (19.976 in.)		
NOTE: Overall height is 134.6 mm (5.299 in.) with a CPU mounted.				

Panel Fastening Holes Dimension and Location

Fastening holes are located at the 4 corners of a BMEXBP**00 rack.



1 Fastening holes



NOTE: You can use M4, M5, M6, or UNC #6 screws in the fastening holes.

This table shows the values that correspond to measurements **a** and **b** in the illustration above:

Rack Type	a	b
BMEXBP0400 (H)	202.1 mm (7.957 in.)	214.8 mm (8.457 in.)
BMEXBP0800 (H)	332.5 mm (13.09 in.)	345.2 mm (13.59 in.)
BMEXBP1200 (H)	462.9 mm (18.224 in.)	475.6 mm (18.724 in.)
BMEXBP0602 (H)	332.5 mm (13.09 in.)	345.2 mm (13.59 in.)
BMEXBP1002 (H)	462.9 mm (18.224 in.)	475.6 mm (18.724 in.)