

\*Note: When mounting the drive directly to an enclosure panel wall, be sure to remove the DIN rail attachments first

C/C: GA51□	INPUT VOLTAGE (VAC)	WEIGHT Kg (lb)	COOLING FANS
B001□□□	200 TO 240	0.6 (1.3)	0
B002□□□	1-PHASE	0.6 (1.3)	0
2001□□□	200 TO 240	0.6 (1.3)	0
2002□□□	3-PHASE	0.6 (1.3)	0

□ denotes A-Z

1	ADJUSTED INCH HEIGHT
0	INITIAL RELEASE

**YASKAWA**

UNITS MM [IN]  
SCALE 1:2

DRWN.	J. MATTAS	11-26-25
CHKD.	J. PIOTROWSKI	12-3-25
TECH.	L. UDDIN	12-10-25
APRV.	M. BAUMGARDNER	12-15-25

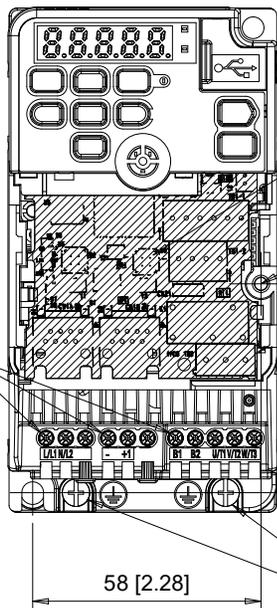
TITLE  
GA501 DIMENSION DRAWING  
FRAME SIZE 1.1  
IP20 ENCLOSURE  
WITH DIN RAIL ATTACHMENTS

SIZE	A	PAGE	1 OF 4
DWG.NO.	DD.GA51.FR1.1.IP20.DIN		

REV  
1

# Terminal and Wiring Information for GA51□B001 and GA51□B002

**FRONT VIEW**



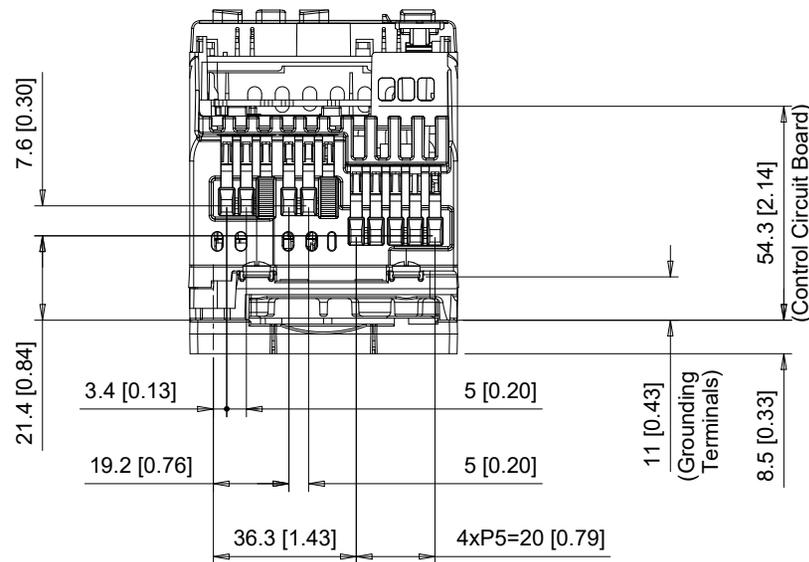
Main Circuit Terminals with M3 Screws; Slotted (-)

Refer to DD.GA51.CONTROLBOARD drawing for Control Circuit Board details

Base Point of Control Circuit Board

Grounding Terminals with M3.5 Screws; Phillips(+)/Slotted(-) combo

**BOTTOM VIEW**



C/C:	TERMINAL SYMBOL	WIRE RANGE AWG (mm <sup>2</sup> )	TERMINAL SCREW	CLAMPING TORQUE N.m. (lb.in.)
GA51□	L/L1, N/L2	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
B001□□□	U/T1, V/T2, W/T3	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
B002□□□	-, +1	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
	B1, B2	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
	⊕	14 (2.5)	M3.5	0.8 - 1.0 (7 - 9)

□ Denotes A-Z

Note: Refer to applicable codes and standards for proper wire type and size.

**YASKAWA**



UNITS MM [IN]  
SCALE 1:2

DRWN. J. MATTAS 11-26-25  
CHKD. J. PIOTROWSKI 12-3-25  
TECH. L. UDDIN 12-10-25  
APRV. M. BAUMGARDNER 12-15-25

TITLE  
GA501 DIMENSION DRAWING  
FRAME SIZE 1.1  
IP20 ENCLOSURE  
WITH DIN RAIL ATTACHMENTS

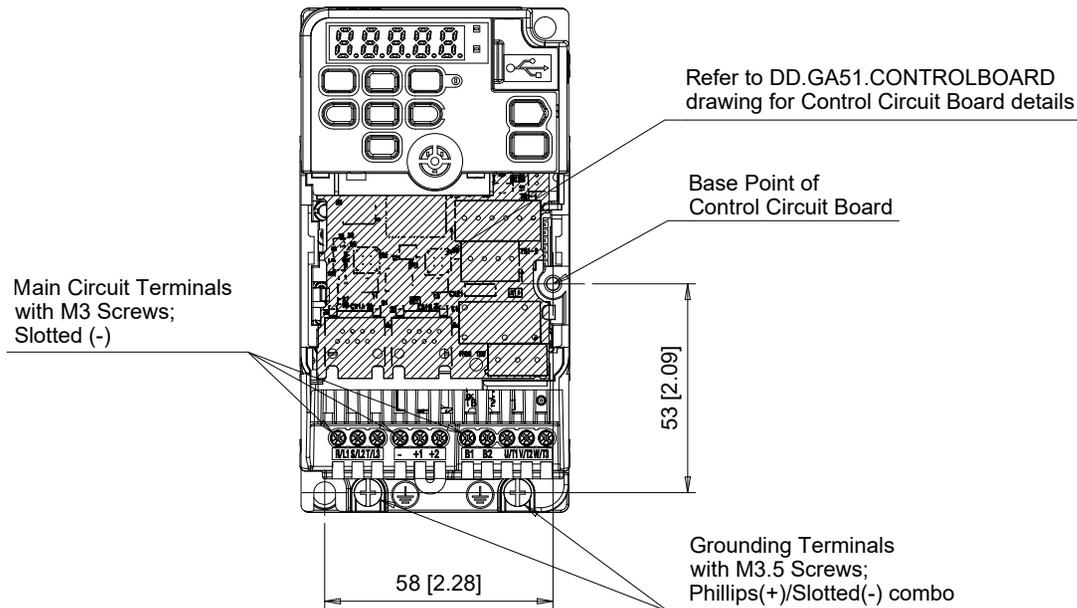
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DWG.NO. DD.GA51.FR1.1.IP20.DIN

REV 1

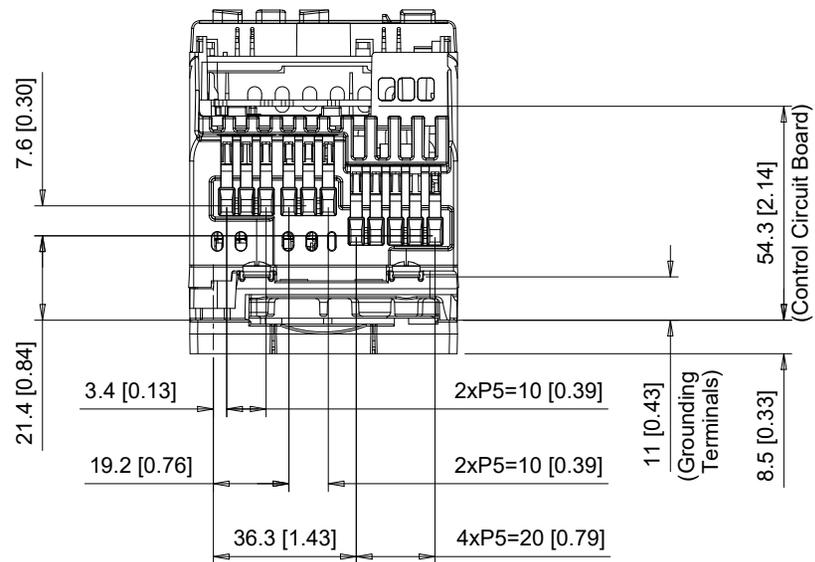
1 ADJUSTED INCH HEIGHT  
0 INITIAL RELEASE

# Terminal and Wiring Information for GA51□2001 and GA51□2002

**FRONT VIEW**



**BOTTOM VIEW**



C/C: GA51□	TERMINAL SYMBOL	WIRE RANGE AWG (mm <sup>2</sup> )	TERMINAL SCREW	CLAMPING TORQUE N.m. (lb.in.)
2001□□□	R/L1, S/L2, T/L3	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
	U/T1, V/T2, W/T3	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
2002□□□	-, +1, +2	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
	B1, B2	14 - 12 (2.5 - 4)	M3	0.6 - 0.8 (5 - 7)
	⊕	14 (2.5)	M3.5	0.8 - 1.0 (7 - 9)

□ Denotes A-Z

Note: Refer to applicable codes and standards for proper wire type and size.

**YASKAWA**



UNITS MM [IN]

DRWN. J. MATTAS 11-26-25

CHKD. J. PIOTROWSKI 12-3-25

TECH. L. UDDIN 12-10-25

APRV. M. BAUMGARDNER 12-15-25

TITLE  
GA501 DIMENSION DRAWING  
FRAME SIZE 1.1  
IP20 ENCLOSURE  
WITH DIN RAIL ATTACHMENTS

SIZE A PAGE 3 OF 4

DWG.NO.

DD.GA51.FR1.1.IP20.DIN

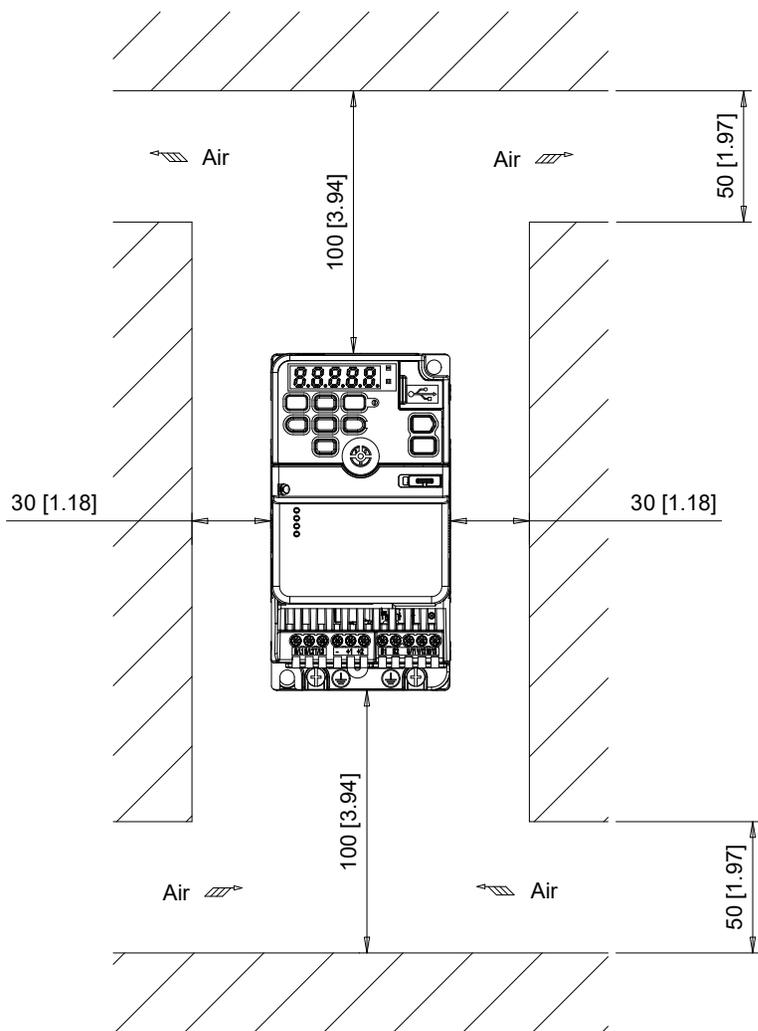
REV

1

1 ADJUSTED INCH HEIGHT

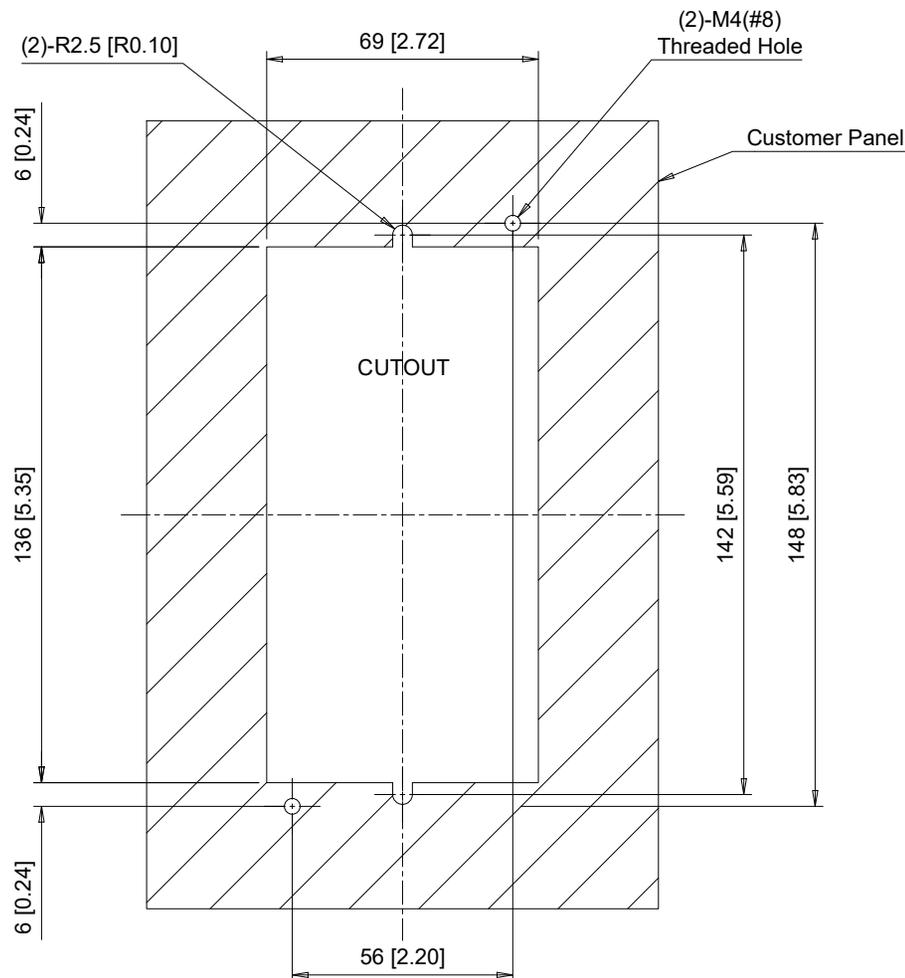
0 INITIAL RELEASE

Minimum Installation Clearances  
Scale 1:3



Note:  
For alternate mounting configurations, consult manual.

Panel Cutout  
For External Heatsink Mounting Configuration  
Scale 1:2



Notes:  
Exposed heatsink minimum clearance = 11.5 [0.45].  
When mounting the drive with an external heatsink mounting bracket,  
be sure to remove the DIN rail attachments first.  
Refer to external heatsink instructions document for additional details.

1	ADJUSTED INCH HEIGHT
0	INITIAL RELEASE

**YASKAWA**

UNITS MM [IN]
SCALE ABOVE

DRWN.	J. MATTAS	11-26-25
CHKD.	J. PIOTROWSKI	12-3-25
TECH.	L. UDDIN	12-10-25
APRV.	M. BAUMGARDNER	12-15-25

TITLE	GA501 DIMENSION DRAWING FRAME SIZE 1.1 IP20 ENCLOSURE WITH DIN RAIL ATTACHMENTS
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SIZE	A	PAGE	4 OF 4
DWG.NO.	DD.GA51.FR1.1.IP20.DIN		

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