

# YASKAWA

# FP605 DRIVE

## MANUAL SUPPLEMENT

AC DRIVE FOR INDUSTRIAL FAN AND PUMP APPLICATIONS

### AFFECTED DOCUMENTS:

- FP605 Installation & Primary Operation (TOEPC7106171F)
- FP605 Technical Reference (SIEPC7106171F)
- FP605 Quick Setup Procedure (TOEPC7106171C)

PDF

[yaskawa.com/TOEPYAISUP22](http://yaskawa.com/TOEPYAISUP22)



DOCUMENT NUMBER: TOEPYAISUP22

# 1 Supplemental Information - Applicable Documents

The contents of this supplement apply to the product instructions in [Table 1.1](#).

**Table 1.1 Affected Documents**

Drive Series	Document
FP605	FP605 Installation & Primary Operation (TOEPC7106171F)
	FP605 Technical Reference (SIEPC7106171F)
	FP605 Quick Setup Procedure (TOEPC7106171C)

## 2 Terminal Block Dimensions

**⚠ DANGER** *Electrical Shock Hazard. Do not examine, connect, or disconnect wiring on an energized drive. Before servicing, disconnect all power to the equipment and wait for the time specified on the warning label at a minimum. The internal capacitor stays charged after the drive is de-energized. The charge indicator LED extinguishes when the DC bus voltage decreases below 50 Vdc. When all indicators are OFF, remove the covers before measuring for dangerous voltages to make sure that the drive is safe. If you do work on the drive when it is energized, it will cause serious injury or death from electrical shock.*

**⚠ WARNING** *Arc Flash Hazard. Obey local codes and Arc Flash safety requirements contained in the Standard for Electrical Safety in the Workplace NFPA 70E (2009 Edition or later) and the Workplace Electrical Safety, Canadian Standards Association (CSA) Z462-12. Obey safe work procedures and use applicable personal protective equipment (PPE). If you do not obey these requirements and procedures, it can cause serious injury or death.*

Use [Table 2.1](#) to find the correct terminal block dimension figure for the frame size of your drive.

**Table 2.1 Drive Model and Frame Size Reference**

Model	Frame Size	Reference Figure
2211 2273	Frame 9	<a href="#">Figure 2.1</a>
2343 2396	Frame 10	
4180 4240 4302	Frame 9	
4361 4414	Frame 10	
4477 4515 4590 4720	Frame 11	

### ◆ Frames 9, 10, and 11 Terminal Block Dimensions

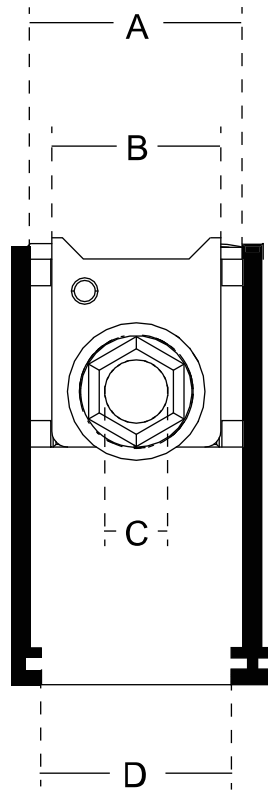


Figure 2.1 Frames 9, 10 and 11 Terminal Block Dimensions

Frame	Terminal	A	B	C	D
		Max Width between Barriers mm (in) <sup>*1</sup>	Contact Area Width mm (in) <sup>*1</sup>	Stud Diameter mm (in)	Opening Restriction Width mm (in) <sup>*1</sup>
9	R/L1, S/L2, T/L3	36 (1.4)	29 (1.1)	10 (0.4)	30 (1.2)
	U/T1, V/T2, W/T3	36 (1.4)	29 (1.1)	10 (0.4)	30 (1.2)
	-, +1	40 (1.6)	33 (1.3)	10 (0.4)	36 (1.4)
	+3	28 (1.1)	20 (0.8)	10 (0.4)	24 (0.9)
	⊕	-	100 (3.9)	10 (0.4)	-
10	R/L1, S/L2, T/L3	41 (1.6)	32 (1.3)	12 (0.5)	36 (1.4)
	U/T1, V/T2, W/T3	41 (1.6)	32 (1.3)	12 (0.5)	36 (1.4)
	-, +1	48 (1.9)	40 (1.6)	12 (0.5)	40 (1.6)
	+3	40 (1.6)	32 (1.3)	12 (0.5)	36 (1.4)
	⊕	-	116 (4.6)	12 (0.5)	-

## 2 Terminal Block Dimensions

Frame	Terminal	A	B	C	D
		Max Width between Barriers mm (in) <sup>*/</sup>	Contact Area Width mm (in) <sup>*/</sup>	Stud Diameter mm (in)	Opening Restriction Width mm (in) <sup>*/</sup>
11	R/L1, S/L2, T/L3	41 (1.6)	32 (1.3)	12 (0.5)	36 (1.4)
	U/T1, V/T2, W/T3	38 (1.5)	34 (1.3)	12 (0.5)	34 (1.3)
	-, +1	45 (1.8)	40 (1.6)	12 (0.5)	40 (1.6)
	+3	37 (1.5)	35 (1.4)	12 (0.5)	35 (1.4)
	⊕	-	116 (4.6)	12 (0.5)	-

\*1 Typical tolerances on dimensions are +0 mm/ -1.5 mm.

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## Revision History

Date of Publication	Revision Number	Revised Content
April 2024	-	First release

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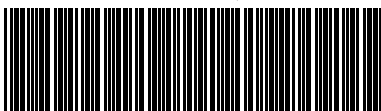
In the event that the end user of this product is to be the military and said product is to be employed in any weapons systems or the manufacture thereof, the export will fall under the relevant regulations as stipulated in the Foreign Exchange and Foreign Trade Regulations. Therefore, be sure to follow all procedures and submit all relevant documentation according to any and all rules, regulations and laws that may apply.

Specifications are subject to change without notice for ongoing product modifications and improvements.

Original Instructions

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