General Specifications

Terminal Blocks (for FIO)

CENTUM VP

GS 33J60H20-01EN

[Release 6]

■ GENERAL

This GS covers the hardware specifications of the Terminal Block that can be used for I/O Modules (FIO) of CENTUM VP.

For the Terminal Block that can be used for I/O Modules with Built-In Barrier, see "Terminal Block (for I/O Modules with Barrier (GS 33J60H40-01EN)".

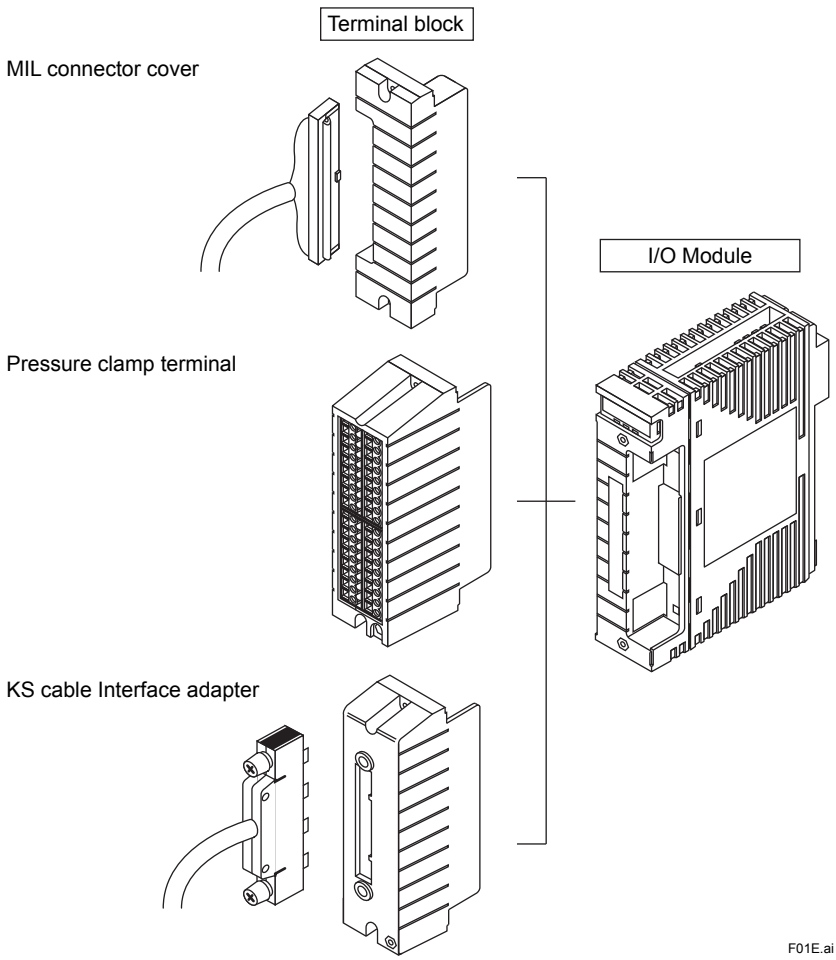
■ STANDARD SPECIFICATIONS

Variation of Connection

I/O Modules can be connected to field devices with terminal block.

Three types of terminal blocks are available: Pressure Clamp Terminal, KS Cable Interface Adapter, MIL Connector Cover.

There is a pressure clamp terminal with surge absorber to preserve I/O modules from surge immunity. (Conforms to EMC standards EN 61000-6-2)



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Terminal Block

Model Name	Application	Connecting Point	Connecting Module Name	Connecting Cable	Weight	Specifications
-	**Pressure clamp terminal**					
ATA4S	Analog (Single)	16-Point	AAI141, AAV141, AAV144, AAI841, AAB841, AAV544, AAI143, AAI543	–	Approx. 0.20 kg	Can select either with surge absorber or without absorber.
ATA4D	Analog (Dual-Redundant)				Approx. 0.30 kg	
ATI3S	Isolated Analog Module (Single)	8-Point	AAI135, AAI835, AAP135	–	Approx. 0.20 kg	
ATI3D	Isolated Analog Module (Dual-Redundant)				Approx. 0.30 kg	
ATB5S	Digital input (Single)	32-Point	ADV151	–	Approx. 0.20 kg	
ATB5D	Digital input (Dual-Redundant)				Approx. 0.40 kg	
ATD5S	Digital output (Single)	32-Point	ADV551	–	Approx. 0.20 kg	
ATD5D	Digital output (Dual-Redundant)				Approx. 0.40 kg	
ATF9S	Foundation Fieldbus	4-Port	ALF111	–	0.10 kg or less	Without surge absorber
-	**KS interface adopter**					
ATK4A	Analog	16-Point or 8-Point	AAI141, AAV141, AAV144, AAI841, AAB841, AAV544, AAI143, AAI543, AAI135, AAI835, AAP135, AAB141	KS1 KS2 (*1)	0.10 kg or less	Connecting with AEA4D Connecting with MUB,TE16
ATM4A	Compatible MAC2	16-Point	AAB841, AAB842	KS1	0.10 kg or less	Connecting with MCM,MHM
ATV4A	Compatible VM2	16-Point	AAB841, AAB842	KS2	0.10 kg or less	Connecting with MUB,TE16
ATI3A	Analog Input	8-Point	AAI135, AAP135	KS1	0.10 kg or less	Connecting with AEA3D
ATB3A	Analog input/output	8-Point	AAI835	KS1	0.10 kg or less	Connecting with AEA3D
ATD5A	Digital input/output	32-Point	ADV151, ADV551	AKB331	0.10 kg or less	Connecting with AEA5D

*1: Please refer to FIO System Overview (GS 33J60A10-01EN) for the combination of connecting cable and terminal board.

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■ MODELS AND SUFFIX CODES

Pressure Clamp Terminal Block

		Description
Models	ATA4S	Pressure Clamp Terminal Block for Analog (16-channel, with ISA Standard G3 option)
	ATB5S	Pressure Clamp Terminal Block for Digital Input (32-channel, with ISA Standard G3 option)
	ATD5S	Pressure Clamp Terminal Block for Digital Output (32-channel, with ISA Standard G3 option)
	ATI3S	Pressure Clamp Terminal Block for Isolated Analog Module and Pulse Module (for AAI135, AAP135: 8-channel, AAI835: 4-channel input, 4-channel output, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	-1	With surge absorber
	0	Always 0

		Description
Model	ATF9S	Pressure Clamp Terminal Block for Fieldbus (with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	0	Always 0

Dual-Redundant Pressure Clamp Terminal Block

		Description
Models	ATA4D	Dual-Redundant Pressure Clamp Terminal Block for Analog (16-channel, with ISA Standard G3 option)
	ATB5D	Dual-Redundant Pressure Clamp Terminal Block for Digital Input (32-channel, with ISA Standard G3 option)
	ATD5D	Dual-Redundant Pressure Clamp Terminal Block for Digital Output (32-channel, with ISA Standard G3 option)
	ATI3D	Dual-Redundant Pressure Clamp Terminal Block for Isolated Analog and Pulse (for AAI135, AAP135: 8-channel, AAI835: Input4-channel, Output4-channel, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	-1	With surge absorber
	0	Always 0

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KS Cable Interface Adapter

		Description
Model	ATK4A	KS Cable Interface Adapter (for Analog 16-channel, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	0	Always 0

		Description
Model	ATI3A	KS Cable Interface Adapter (for Analog 8-channel, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	0	Always 0

		Description
Model	ATB3A	KS Cable Interface Adapter (for Analog 4-channel input/4-channel output, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	0	Always 0

		Description
Model	ATD5A	KS Cable Interface Adapter (for Digital 32-channel, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	0	Always 0

		Description
Model	ATM4A	KS Cable Interface Adapter (for Compatible MAC2, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	0	Always 0

		Description
Model	ATV4A	KS Cable Interface Adapter (for Compatible VM2, with ISA Standard G3 option)
Suffix Codes	-0	Without surge absorber
	0	Always 0

■ APPLICABLE STANDARDS

Refer to the GS “Integrated Production Control System CENTUM VP System Overview (GS 33J01A10-01EN).”

■ ORDERING INFORMATION

Specify models and suffix codes when ordering.

■ TRADEMARK

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