

# General Specifications

## Terminal Blocks (for I/O Modules with Built-In Barrier and FIO)



GS 33J60H40-01EN

[Release 6]

### ■ GENERAL

This GS covers the hardware specifications of the Terminal Block that can be used for Modules with Built-In Barrier (FIO) of CENTUM VP.

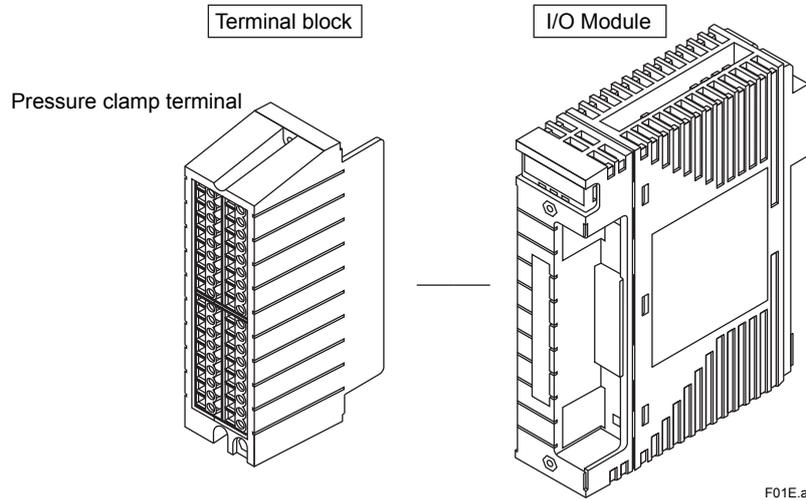
When installing these apparatuses with intrinsically safe circuit, "Explosion Protection" (TI 33Q01J30-01E) and "Explosion Protection of FIO Products" (IM 33K01J30-50E) for ATEX Approval should be referenced together with this GS.

These terminal blocks are compliant with ISA S71.04 class G3. The temperature range of the module is -20 to 70 °C.

### ■ STANDARD SPECIFICATIONS

#### Variation of Connection

Terminal blocks are used to connect I/O modules with built-in barriers to field devices. The pressure clamp terminal block is available for I/O modules with Built-In Barrier.



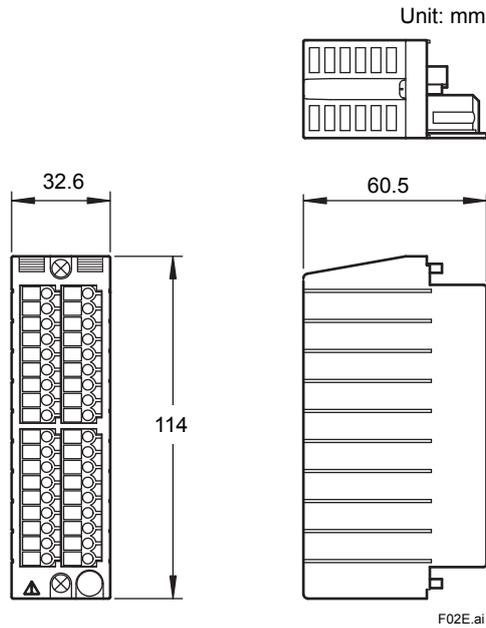
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#### Terminal Block

Model Name	Application	Connecting Point	Connecting Module Name	Weight	Specifications
ATSA3S	Analog (Single)	8-Point	ASI133	Approx. 0.20 kg	Without surge absorber
ATSA3D	Analog (Dual-Redundant)	8-Point	ASI133	Approx. 0.30 kg	
ATST4S	Analog Thermocouple/mV (Single)	16-Point	AST143	Approx. 0.20 kg	
ATST4D	Analog Thermocouple/mV (Dual-Redundant)	16-Point	AST143	Approx. 0.30 kg	
ATSR3S	Analog RTD/POT (Single)	8-Point	ASR133	Approx. 0.20 kg	
ATSR3D	Analog RTD/POT (Dual-Redundant)	8-Point	ASR133	Approx. 0.30 kg	
ATSS3S	Analog output	8-Point	ASI533	Approx. 0.20 kg	
ATSS3D	Analog output (Dual-Redundant)	8-Point	ASI533	Approx. 0.30 kg	
ATSB4S	Digital input (Single)	16-Point	ASD143	Approx. 0.20 kg	
ATSB4D	Digital input (Dual-Redundant)	16-Point	ASD143	Approx. 0.30 kg	
ATSD3S	Digital output (Single)	8-Point	ASD533	Approx. 0.20 kg	
ATSD3D	Digital output (Dual-Redundant)	8-Point	ASD533	Approx. 0.30 kg	

## EXTERNAL DIMENSIONS

ATSA3S, ATSS3S, ATST4S, ATSR3S, ATSB4S, ATSD3S

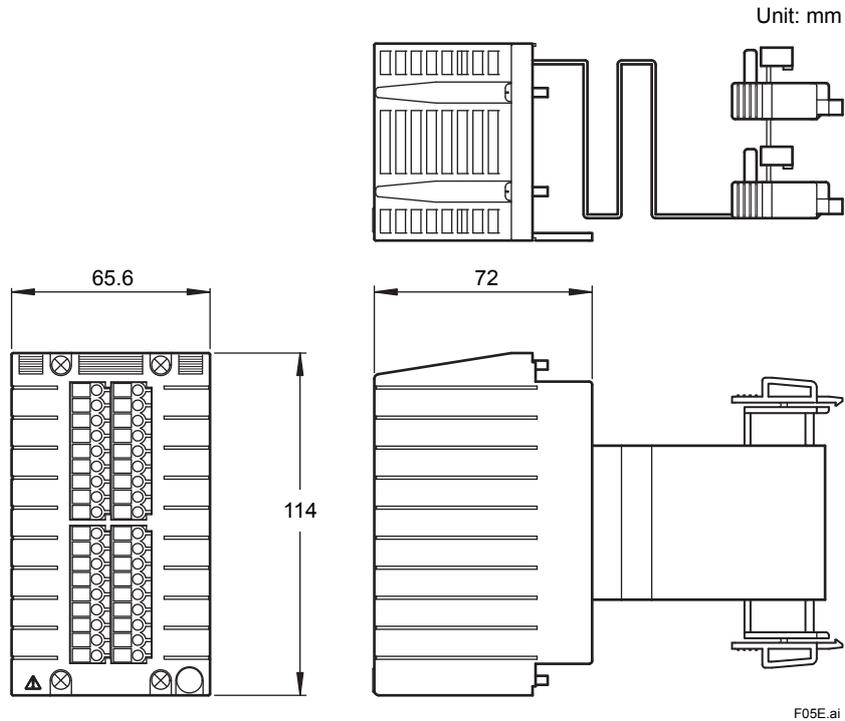


Nominal Tolerances :

When the reference dimension is over 0.5 mm and equal or less than 120 mm, its nominal tolerance is  $\pm 0.8$  mm, while its combination of nominal tolerance is  $\pm 1.5$  mm.

When the reference dimension is over 120 mm, its nominal tolerance is in accordance with JEM 1459.

ATSA3D, ATSS3D, ATST4D, ATSR3D, ATSB4D, ATSD3D



Nominal Tolerances :

When the reference dimension is over 0.5 mm and equal or less than 120 mm, its nominal tolerance is  $\pm 0.8$  mm, while its combination of nominal tolerance is  $\pm 1.5$  mm.

When the reference dimension is over 120 mm, its nominal tolerance is in accordance with JEM 1459.

## ■ MODELS AND SUFFIX CODES

### Pressure Clamp Terminal Block

		Description
<b>Models</b>	ATSA3S	Pressure Clamp Terminal Block for Analog Input (8-channel)
	ATSS3S	Pressure Clamp Terminal Block for Analog Output (8-channel)
	ATST4S	Pressure Clamp Terminal Block for TC/mV (16-channel)
	ATSR3S	Pressure Clamp Terminal Block for RTD/POT (8-channel)
	ATSB4S	Pressure Clamp Terminal Block for Digital Input (16-channel)
	ATSD3S	Pressure Clamp Terminal Block for Digital Output (8-channel)
<b>Suffix Code</b>	-0	Always -0

### Dual-Redundant Pressure Clamp Terminal Block

		Description
<b>Models</b>	ATSA3D	Dual-Redundant Pressure Clamp Terminal Block for Analog Input (8-channel)
	ATSS3D	Dual-Redundant Pressure Clamp Terminal Block for Analog Output (8-channel)
	ATST4D	Dual-Redundant Pressure Clamp Terminal Block for TC/mV (16-channel)
	ATSR3D	Dual-Redundant Pressure Clamp Terminal Block for RTD/POT (8-channel)
	ATSB4D	Dual-Redundant Pressure Clamp Terminal Block for Digital Input (16-channel)
	ATSD3D	Dual-Redundant Pressure Clamp Terminal Block for Digital Output (8-channel)
<b>Suffix Code</b>	-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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