General Specifications

Terminal Blocks
(for ProSafe-RS)

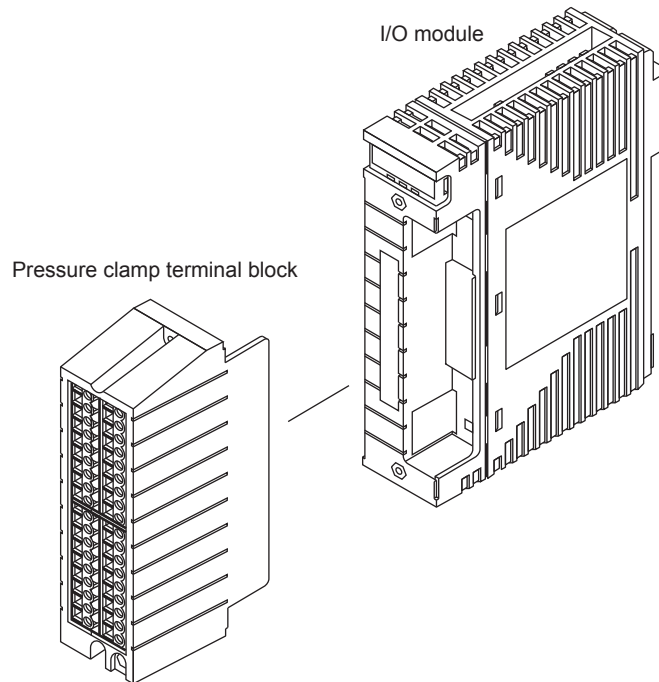**ProSafe-RS**

GS 32Q06L30-31E

■ GENERAL

This GS provides the hardware specifications of the terminal blocks used for the I/O module.

■ STANDARD SPECIFICATIONS

The I/O module is connected to field equipment, with a terminal block installed.

There are some types of pressure clamp terminal which have a built-in surge absorber that protects the I/O module from surges. These are compatible with EMC standard EN 61000-6-2.
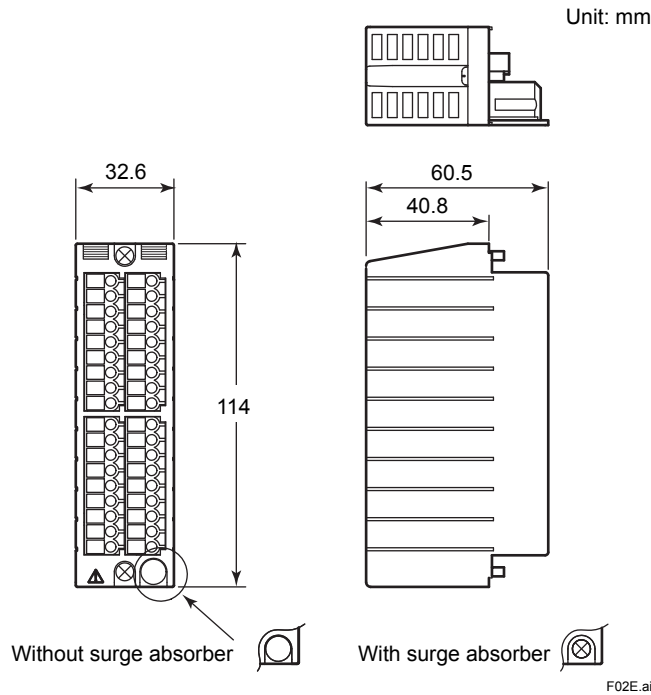

I/O module

Pressure clamp terminal block

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Model	Application	Number of connection points	Connection module	Connection cable	Weight	Specifications
–	**Pressure clamp terminal**					
STA4S	For analog signals (single configuration)	16-channel	SAI143 SAV144 SAI533	–	Approx. 0.2 kg	Select "with surge absorber" or "without surge absorber."
STA4D	For analog signals (dual-redundant configuration)			–	Approx. 0.3 kg	
STB4S	For digital I/O (single configuration)	16- or 8-channel	SDV144 SDV531 SDV541	–	Approx. 0.2 kg	
STB4D	For digital I/O (dual-redundant configuration)			–	Approx. 0.4 kg	

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■ EXTERNAL DIMENSIONS

● STA4S, STB4S

Unit: mm

32.6

60.5

40.8

114

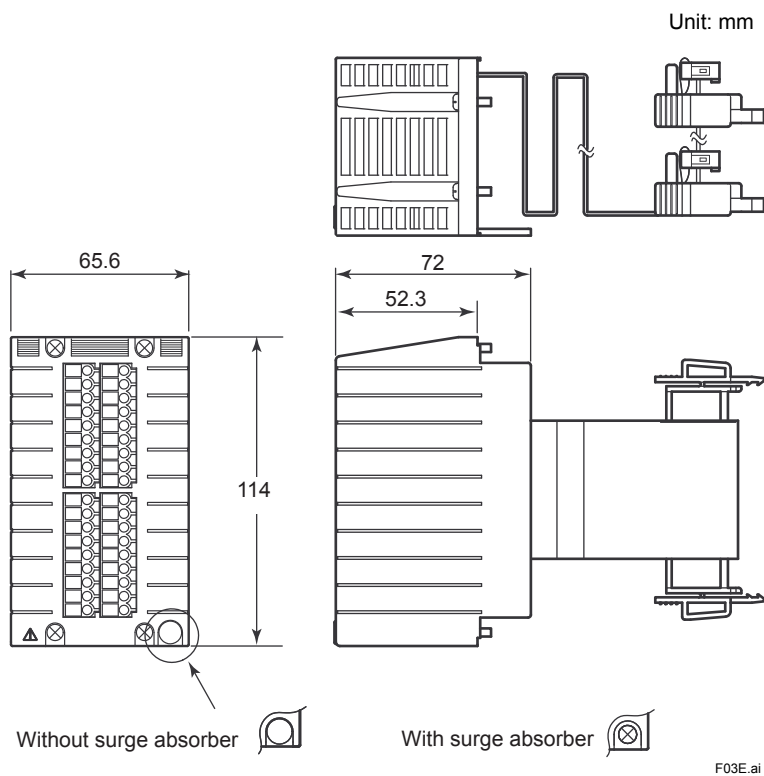Without surge absorber   With surge absorber

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Nominal Tolerances :
When the reference dimension is over 0.5 mm and equal or less than 120 mm, its nominal tolerance is ± 0.8 mm, while its combination of nominal tolerance is ± 1.5 mm.
When the reference dimension is over 120 mm, its nominal tolerance is in accordance with JEM 1459.

● STA4D, STB4D

Unit: mm

65.6

72

52.3

114

Without surge absorber   With surge absorber

F03E.ai

Nominal Tolerances :
When the reference dimension is over 0.5 mm and equal or less than 120 mm, its nominal tolerance is ± 0.8 mm, while its combination of nominal tolerance is ± 1.5 mm.
When the reference dimension is over 120 mm, its nominal tolerance is in accordance with JEM 1459.

■ MODEL AND SUFFIX CODES

Pressure clamp terminal block

		Description
Model	STA4S	Pressure Clamp Terminal Block for Analog Signals (16-channel with ISA Standard G3)
	STB4S	Pressure Clamp Terminal Block for Digital Signals (16- or 8-channel with ISA Standard G3)
Suffix Codes	-0	Without surge absorber
	-1	With surge absorber
	0	Always 0

Dual-redundant pressure clamp terminal block

		Description
Model	STA4D	Pressure Clamp Terminal Block for Analog Signals, Dual-Redundant Use (16-channel, with ISA Standard G3)
	STB4D	Pressure Clamp Terminal Block for Digital Signals, Dual-Redundant Use (16- or 8-channel, with ISA Standard G3)
Suffix Codes	-0	Without surge absorber
	-1	With surge absorber
	0	Always 0

■ CONFORMITY STANDARDS

Refer to "ProSafe-RS Standards Compliant Models" (GS 32P01B60-01EN).

■ ORDERING INFORMATION

Specify the model and suffix codes.

■ TRADEMARKS

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