

# General Specifications

Model SEC402  
ESB Bus Coupler Module  
(for 2-Port)

**ProSafe-RS**

GS 32Q06L10-31E

## ■ GENERAL

ESB Bus Coupler Module connects safety control units and safety node units via an ESB bus cable.

Two ESB Bus Coupler Modules are mounted on the safety control unit (S2SC70□ or SSC60□).

## ■ STANDARD SPECIFICATIONS

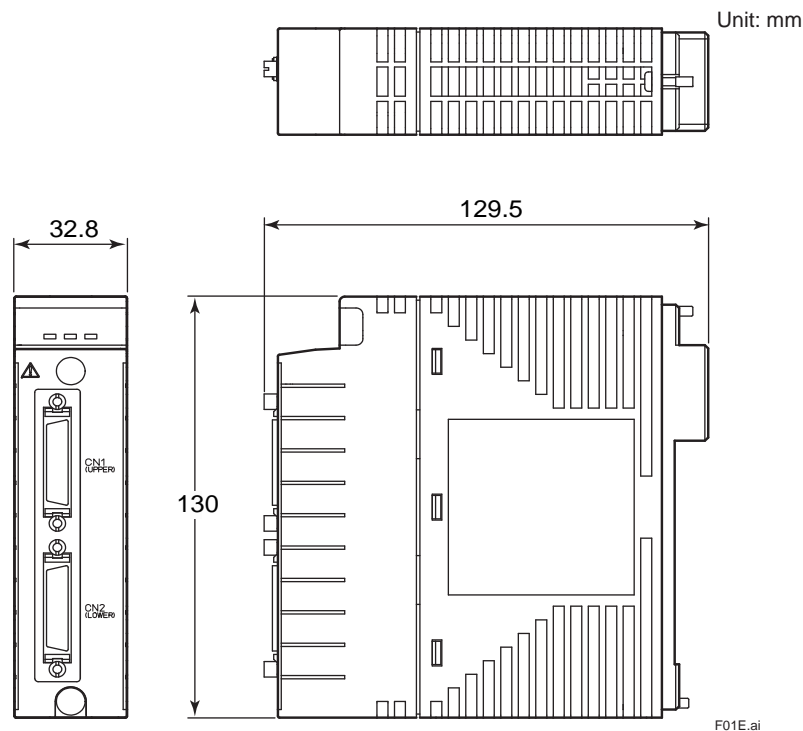
Function:	ESB bus master interface function
Number of connectable units (*1):	Max. 9 units on the upper side, Max. 9 units on the lower side
Transmission speed:	128 Mbps (I/O module data transmission)
Transmission distance:	10 m maximum (up to 10 m each for upper ESB bus cable and lower ESB bus cable)
Current consumption:	0.5 A
Weight:	Approx. 0.24 kg

The ESB Bus Coupler Module is mounted on the seventh and eighth slots of the safety control unit.

- \*1: The number of SNB10D and SNT4□□ (□□=01,11,21) which can be connected to the upper or lower port is up to 9.  
The following connection is available only when S2SC70S or S2SC70D is used as a safety control unit and star connection is configured with SNT4□□ (□□=01,11,21.) (Supported by R4.04 or later.)  
Upper side : Max. 12 units, Lower side : Max. 12 units  
For the maximum number of connectable node units, refer to the GS "ProSafe-RS Safety Instrumented System Overview (for Vnet/IP)" (GS 32P01B10-01EN.)

## ■ EXTERNAL DIMENSIONS

### SEC402 ESB Bus Coupler Module



Nominal tolerances :

Nominal tolerance is  $\pm 0.8$  mm for the dimensions of 0.5 mm or more and 120 mm or less, and the combined nominal tolerance is  $\pm 1.5$  mm.

The nominal tolerance is in accordance with JEM 1459 for the dimensions over 120 mm.

## ■ MODEL AND SUFFIX CODES

		Description
<b>Model</b>	SEC402	ESB Bus Coupler Module (for 2-Port)
<b>Suffix Codes</b>	-5	Standard Type with no explosion protection
	-E	Standard Type with explosion protection
	1	With ISA Standard G3

## ■ CONFORMITY STANDARDS

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

## ■ ORDERING INFORMATION

Specify the model and suffix code(s).

For selecting the right products for explosion protection, please refer to TI 32S01J30-01E without fail.

## ■ TRADEMARKS ACKNOWLEDGMENT

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