General Specifications

GS 33J60G40-01EN

SB401, A2EE1A
ESB Bus Interface Slave Module
ESB Bus Adapter (for SB401)

CENTUM VP

[Release 6]

■ GENERAL

ESB Bus Interface Slave Module is a bus interface module that connects the Field Control Unit and the ESB Bus Node Unit for ESB Bus via the ESB Bus. This module is used in combination with ESB Bus Coupler Module (EC401, EC402) and can be installed in FIO Node Unit. Dual-redundant configuration of ESB Bus can be enabled by installing 2 modules.
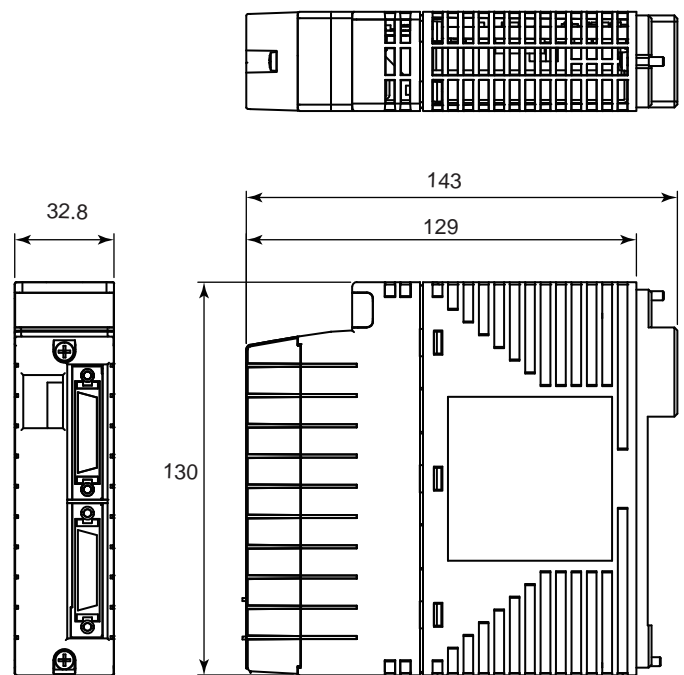
■ STANDARD SPECIFICATIONS

Function: ESB Bus slave interface function
Number of connectable unit: Max. 9 units (*1)
Transmission speed: 128 Mbps (I/O module data transmission)
Transmission distance: Max. 10 m
Weight: Approx. 0.29 kg (*2)
    *1:   The number varies depending on the FCS database.
    *2:   Includes ESB Bus Adapter (A2EE1A)

■ EXTERNAL DIMENSIONS

Unit: mm

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Nominal tolerances :
    Nominal tolerance is ± 0.8 mm for the dimensions of 0.5 mm or more and 120 mm or less, and the combined nominal tolerance is ± 1.5 mm.
    The nominal tolerance is in accordance with JEM 1459 for the dimensions over 120 mm.

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■ INSTALLATION

SB401 can be installed in the following units.

FIO Node Unit: ANB10D, ANB10S
Base Plate: A2BE2D
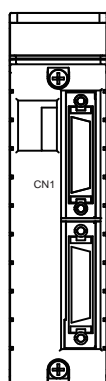
<Installation Restrictions>

- SB401 must be installed in slots B1-B2.
- In the case of single configuration, SB401 must be installed in slot B1, and Dummy Cover (ADCV01) must be installed in slot B2.
- Dual-redundant configuration is enabled by installing 2 identical modules with the same model code.
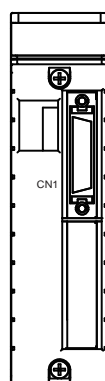
■ ESB BUS ADAPTER

To connect SB401 to ESB Bus, ESB Bus Adapter (A2EE1A) must be connected to ESB Bus connector. Select the ESB Bus Adapter to be used according to the ESB Bus configuration.

- In the case where ESB Bus is branched off to the next SB401, use A2EE1A-N (Connector unit for ESB Bus).
- In the case where ESB Bus is terminated, use A2EE1A-T (Connector unit with terminator for ESB Bus).

A2EE1A-N
(Connector unit for ESB Bus)

A2EE1A-T
(Connector unit with terminator for ESB Bus)

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■ MODEL AND SUFFIX CODES

ESB Bus Interface Slave Module

		Description
Model	SB401	ESB Bus Interface Slave Module
Suffix Codes	-5	Standard type with no explosion protection
	-E	Standard type with explosion protection
	0	Basic type
	1	With ISA Standard G3 option (for spare or maintenance purpose for ANB10□-□□7 and ANB10□-□□G)
	3	With ISA Standard G3 option and temperature (-20 °C to 70 °C) option

Note: Only SB401-□0 and SB401-□3 can be installed in Base Plate A2BE2D.

ESB Bus Adapter (for SB401)

		Description
Model	A2EE1A	ESB Bus Adapter (for SB401)
Suffix Codes	-N	Connector unit for ESB Bus (G3)
	-T	Connector unit with terminator for ESB Bus (G3)

■ APPLICABLE STANDARDS

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

■ ORDERING INFORMATION
Specify the model and suffix code(s).
For selecting the right products for explosion protection, please refer to TI 33Q01J30-01E without fail.

■ TRADEMARK ACKNOWLEDGMENT
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