RAMONA ESB Bus Coupler Module

Model: EC2401

Description

The ESB Bus Coupler Module is a communication module to connect the Field Control Unit and the Node Unit for ESB Bus via the ESB bus. It actually helps to connect maximum 9 units to each other, so by this we could have more modules.

This module could be installed in 6th/ 7th slot of the Field Control Unit for FIO (AFV30S, AFV30D, AFV40S, AFV40D, AFV10S, AFV10D, AFF50S and AFF50D).

Key Feature

- ESB bus interface function
- Support Max. 9 connectable units
- Data transmission speed of 128 Mbps
- Support Max. 10 m distance
- Current consumption of 0.5 A

Functionality

ESB interface module support maximum 9 connectable nodes and could transmit data by the speed of 128 Mbps. The main responsibility of this module is to transmit and receive data to/ from CPU and modules. It should be noted that this module is actually between CPU and ESB bus interface slave module and does not communicate directly with modules.

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Specification

Number of connectable nodes	Max. 9 units
Max. Current Consumption	500 mA
Transmission speed	128 Mbps (I/O module data transmission)
Transmission distance	Max. 10 m
Redundancy	Single/Dual - Redundant Mode Supported (Slot 7–8)
Standard	ISA G3 Standard Qualified
Supported Backplane	AFV2010D / AFV30S / AFF50S / AFV10D AFV10S / AFV40D / AFV40S / AFV30D / AFF50D

Mechanical

Connection technology	Pressure clamp terminal, ESB Bus cable, dedicated cable (YCB301)
Dimension	
• Width	32.8 mm
• Height	130 mm
• Depth	125.3 mm
weight	240gr
Installation	Snaps onto Backplane (ANB2010D)
Electrical accessories	ESB Bus cable
IP degree of protection	IP30

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