General Specification

FA-M3
F3LE01-1T
Ethernet Interface Module

FA-M3

GS 34M06H24-06E

■ General

The Ethernet* interface module is to be installed in an I/O slot of the FA-M3 Range-free Multi-controller. It can be connected to an IEEE802.3-compliant network (10BASE-T). The Ethernet interface module provides the FA-M3 controller with capabilities via Ethernet communication equivalent to the personal computer link (n:n connection) function via RS communication.

*: "Ethernet" is a registered trademark of XEROX Corporation.

■ Features

- Remote programming
  Enables a user to create and maintain programs from a computer connected to the network using FA-M3 Programming Tool WideField3.
- Higher-level link service (accessing from another node)
  Enables a user to read from and write to devices of a sequence CPU from another node connected to the same network, as well as upload, download, start, or stop a program remotely, without the need to write a ladder program for this purpose.
- Event transmission (access to another node)
  Enables the FA-M3 controller to transmit events to another node connected to the same network.

■ Specifications

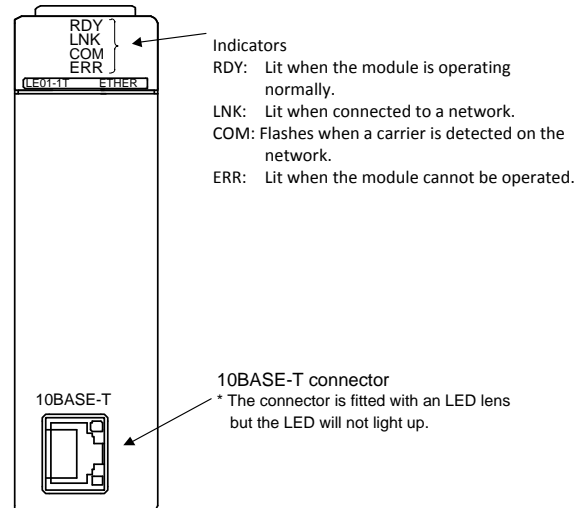| Item		Specifications
		10BASE-T
Transmission	Access control	CSMA/CD
	Transmission speed	10 Mbps
	Transmission method	Baseband
	Maximum segment length	100 m[*1]
	Largest connection configuration	4 cascade segments max.
Protocol		TCP/IP, UDP/IP, ICMP, ARP
Data type		Binary or ASCII (for higher-level link service only)
Write protection		Enabled or disabled (for higher-level link service only)
Compatible CPU modules. Number of installed modules.		Total number of modules with similar functions (personal computer link module, FL-net interface module, etc.): 2 max. for F3SP08-0P or F3SP21-0N; 6 max. for F3SP22-0S,F3SP28-□S, F3SP38-6S, F3SP53-4S, F3SP58-6S, F3SP59-7S, F3SP66-4S, F3SP67-6S, F3SP71-4S, F3SP76-7S, F3BP20-0N, or F3BP30-0N
Current consumption		330 mA max.
External dimensions		28.9 (W) × 100 (H) × 83.2 (D) mm[*2]
Weight		100 g
Environmental Specifications	Surrounding air temperature range	Operating: 0 to 55°C
		Storage: -20 to 75°C
	Surrounding humidity range	Operating: 10 to 90%RH (non-condensing)
		Storage: 10 to 90%RH (non-condensing)
	Surrounding atmosphere	Must be free of corrosive gases, flammable gases or heavy dust.

*1: Maximum distance between the module and a hub.

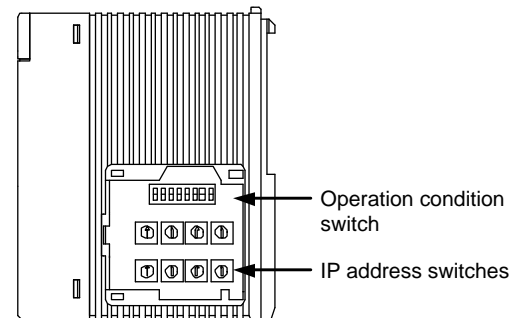*2: Excluding protrusions (see External Dimensions for details).

■ Components and Functions

● Front view

Indicators
RDY: Lit when the module is operating normally.
LNK: Lit when connected to a network.
COM: Flashes when a carrier is detected on the network.
ERR: Lit when the module cannot be operated.

10BASE-T connector
* The connector is fitted with an LED lens but the LED will not light up.

● Right side view

Operation condition switch

IP address switches

Note: This is a right side view with the cover removed.

■ Operating Environment

This module is compatible with all sequence CPU modules types.

■ Model and Suffix Codes

Model	Suffix Code	Style Code	Option Code	Description
F3LE01	-1T	………	………	10 Mbps 10BASE-T

■ External Dimensions

Unit : mm

83.2

28.9

2

RDY
LNK
COM
ERR

LE01-1T   ETHER

100

10BASE-T