MicroSmart FC6A Plus PLC

Expansion Interface Module



MASTER MODULE



SLAVE MODULE

KEY FEATURES

- Easily expand FC6A digital and analog I/O
- Supports 1 master and up to 10 slave modules
- Uses standard RJ45 Ethernet cable

Classl Div2
Hazardous
Location

FC6A PLUS EXPANSION INTERFACE MODULE (MASTER MODULE) SPECIFICATIONS

Part No.	FC6A-EXM1M
No. of Connectable CPU	Plus: 1
No. of Connectable Slaves	10
Connector	RJ45
Cable	CAT 5. STP
Maximum Cable Length	100m
Isolation from Internal Circuit	Pulse transformer isolation
Power Consumption inside Module	DC5V: 75mA
Weight (approx.)	80g

Note: When using an expansion interface module (separate master type), the no. of connectable expansion modules to the Plus CPU module is 5 maximum. (13 max. modules when using an expansion interface (unibody type)

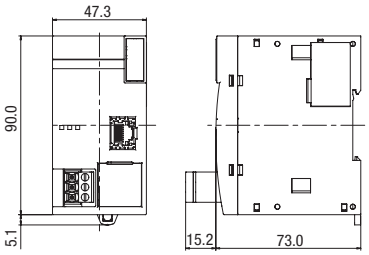
FC6A PLUS EXPANSION INTERFACE MODULE (SLAVE MODULE) SPECIFICATIONS

Part No.		FC6A-EXM1S
I/O Expansion	Between CPU module and expansion interface module: Connectable I/O modules	7 maximum (224 I/Os maximum)
	Beyond the expansion interface module: Connectable I/O modules	8 maximum (256 I/Os maximum)
Rated Power Voltage		24V DC
Allowable Voltage Range		20.4 to 28.8V DC
Maximum Power Consumption (*1) (External Power)		24.5W
Allowable Momentary Power Interruption		10ms minimum (24V DC)
Connectable Expansion Modules		Digital I/O Module Analog I/O Module
Isolation from Internal Circuit	Between internal circuits and power supply	Not isolated
	Between input circuits and communication	Pulse transformer isolation
Connector	Insertion/Removal Durability	100 times minimum
	Applicable Ferrules	1-wire: AI 0.5-10 (Phoenix Contact) 2-wire: AI-TWIN 2×0.5-10 (Phoenix Contact)
Communication	Connector	RJ45
	Cable	CAT 5. STP
	Maximum Cable Length	100m
Weight (approx.)		165g

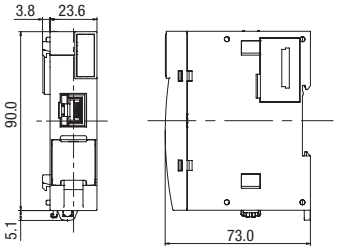
*1: Power consumption by the expansion interface module and seven I/O modules.

DIMENSIONS (mm)

FC6A-EXM1S



FC6A-EXM1M



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