MicroSmart FC6A Plus PLC

CPU Module Specifications





FC6A PLUS CPU MODULES

Part No.	High-speed Counter & Pulse Output	Power	Input	Output	Interface	I/O Points
FC6A-D16R*CEE				Relay Output 2A (240V AC-2A, 30V DC-2A)		
FC6A-D16P*CEE	High-speed counter Maximum input fraguency 100kl la		24V DC	Transistor Source Output 0.5A	Port 1 (USB)	16 points (8/8)
FC6A-K16K*CEE	frequency: 100kHz • Pulse output (*1) Maximum output frequency: 100kHz	24V DC	(Sink/ Source)	Transistor Sink Output 0.5A	(Ethernet) Port 3 (Ethernet)	()
FC6A-D32P*CEE				Transistor Source Output 0.1A		32 points (16/16)
FC6A-D32K*CEE				Transistor Sink Output 0.1A		

For the 16 point CPU, in place of *, specify the type of terminals. 1 = Screw or 4 = Push-in For 32 point CPU, in place of *, specify the type of terminals. 3 = MIL Connector or 4 = Push-in

SPECIFICATIONS

Part No.	FC6A-D16R*CEE FC6A-D16P*CEE FC6A-D16K*CEE	FC6A-D32P*CEE FC6A-D32K*CEE	
Rated Power Voltage	24V DC		
Allowable Voltage Range	20.4 to 28.8V DC (including ripple)		
Maximum Power Consumption (CPU module)	FC6A-D16R*CEE: 2.88W (24V DC) FC6A-D16F*CEE: 2.88W (24V DC) FC6A-D32F*CEE: 3.36W (24V DC) FC6A-D32F*CEE: 3.36W (24V DC)		
Inrush Current	35A maximum		
Allowable Momentary Power Interruption	10ms (at rated voltage)		
Operating Temperature	-25 to +65°C (no freezing)		
Storage Temperature	$-25 \text{ to} + 70^{\circ}\text{C} \text{ (no freezing)}$		
Relative Humidity	Level RH1 (IEC 61131-2) 10 to 95% (no condensation)		
Altitude	Operation: 0 to 2,000m, 795 to 1,013hPa, Transport: 0 to 3,000m, 701 to 1,013hPa		
Pollution Degree	2 (IEC 60664-1)		
Corrosion Immunity	Free from corrosive gases		
Dielectric Strength	Between power and FE terminals: 500V AC, 1 minute Between transistor output and FE terminals: 500V AC, 1 minute Between power and input terminals: 500V AC, 1 minute Between power and relay output terminals: 2,300V AC, 1 minute Between input and relay output terminals: 2,300V AC, 1 minute	Between input and FE terminals: 500V AC, 1 minute Between relay output and FE terminals: 2,300V AC, 1 minute Between power and transistor output terminals: 500V AC, 1 minute Between input and transistor output terminals: 500V AC, w 1 minute	

For the 16 point CPU, in place of *, specify the type of terminals. 1 = Screw or 4 = Push-in For 32 point CPU, in place of *, specify the type of terminals. 3 = MIL Connector or 4 = Push-in

PRODUCT DESCRIPTION

This next-generation IDEC MicroSmart FC6A Plus PLC performs beyond micro PLC limits. With its 2,060 I/O capacity, it can control large machines or entire small-scale manufacturing facilities, providing more capabilities for the most demanding applications.

In addition, to give the user flexibility, IDEC offers push-in terminal blocks for quick and reliable connectivity.

KEY FEATURES

- EtherNet/IP
- MQTT and BACnet/IP
- Modbus TCP and RTU
- Dual Ethernet Ports
- iOS & Android App
- Bluetooth Communication
- -25 to 65°C Operating Temperature
- Screw, Push-in or MIL Connection Terminals









SPECIFICATIONS CONT.

Insulation Resistance	Between power and FE terminals: $100M\Omega$ or higher (500V DC megger) Between transistor output and FE terminals: $100M\Omega$ or higher (500V DC megger) Between power and input terminals: $100M\Omega$ or higher (500V DC megger) Between power and relay output terminals: $100M\Omega$ or higher (500V DC megger) Between input and FE terminals: $100M\Omega$ or higher (500V DC megger) Between input and transistor output terminals: $100M\Omega$ or higher (500V DC megger) Between input and transistor output terminals: $100M\Omega$ or higher (500V DC megger) Between input and transistor output terminals: $100M\Omega$ or higher (500V DC megger)		
Noise Resistance	AC/DC power terminals: 1kV, 50ns to 1µs I/O terminals (coupling clamp): 1.5kV, 50ns to 1µs coupling adapter		
Vibration Resistance	5 to 8.4Hz amplitude 3.5mm 8.4 to 150Hz acceleration 9.8m/s2 (1G), 2 hours per axis on each of three mutually perpendicular axes (IEC 61131-2)		
Shock Resistance	147m/s2 (15G), 11ms duration, 3 shocks per axis on three mutually perpendicular axes		
Degree of Protection	IP20 (IEC 60529)		
Power Supply Wire	UL1007 AWG24-16, UL2464 AWG24-16, UL1015 AWG20-16		
Grounding Wire	UL1007 AWG16		
Ground	D-type ground (Class 3 ground)		
Mounting	DIN rail or panel mounting		
Weight (approx.)	FC6A-D16R1CEE: 290g FC6A-D16P1CEE: 275g FC6A-D16K1CEE: 275g FC6A-D16R4CEE: 280g FC6A-D16P4CEE: 265g FC6A-D16K4CEE: 265g	FC6A-D32P3CEE: 255g FC6A-D32K3CEE: 255g FC6A-D32P4CEE: 255g FC6A-D32K4CEE: 255g	

FUNCTION SPECIFICATIONS

Part No.		FC6A-D16R*CEE FC6A-D16P*CEE FC6A-D16K*CEE	FC6A-D32P*CEE FC6A-D32K*CEE	
Control System		Stored program system		
Instruction Words	Basic	42		
Instruction Words	Advanced	130		
Program Capacity (*1)		800KB (100,000 steps)		
User Program Storage		Serial Flash Memory (100,000 times re	writable)	
Droopping Time	Basic Instruction	21µs/1,000 steps		
Processing Time	END Processing (*2)	1ms maximum		
I/O Points	Input	8 points	16 points	
I/O FUIIIIS	Output	8 points	16 points	
Expandable Modules		7 modules (*3)		
Expandable I/O Points with I/O Points W	xpansion Modules	224 points		
Expandable Modules with Modules	Unibody Type Expansion	8 modules		
Expandable I/O Points with Modules	Unibody Type Expansion	256 points		
Expandable Modules with Separate Type Expansion Modules (*5)		63 modules (separate type master: 1 module maximum, separate type slave: 10 modules maximum)		
Expandable I/O Points with Separate Type Expansion Modules (*5)		2,016 points		
Internal Relay		15,400 points		
Special Internal Relay		1,600 points		
Shift Register		256 points		
Data Register		60,000 points		
Non-Retentive Data Register		200,000 points		
Special Data Register		900 points		
Counter		512 points		
Timer (1ms, 10ms, 100ms,1s)	2,000 points		
Clock		Clock accuracy: ±30 sec/month (typical) at 25°C		
	Backup Data	Internal relay, shift register, counter, data register, timer, special data register, special internal relay, clock data		
RAM Backup	Battery	Lithium primary battery (BR2032)		
	Battery Life	Approx. 4 years		
Replaceability		Possible		
Self-diagnostic Function		Keep data, user program sum check (serial flash memory), user program sum check (RAMI), timer/counter preset value sum check, user program syntax check, user program execution check, WDT check, user program write check, power failure, clock error, data ink connection check, I/O bus initialization check		
Input Filter		0 ms (without filter), 3 to 15ms (selectable in increments of 1ms) 114, 115, 116, 117: 3ms		
Catch Input/Interrupt Input		Six inputs 10, 11, 13, 14, 16, 17 (Minimum turn on pulse width: 5µs max./Minimum turn off pulse width: 5µs max.)		
or the 16 point CDL in place of * appoint the type of terminals 1. Corpus or A. Dush in				

USB PORT SPECIFICATIONS

USB Type	USB mini-B
USB Standard	USB 2.0
Isolation	Not isolated from the internal circuit
Communication Function	Maintenance communication to PC

ETHERNET PORT 1 SPECIFICATIONS

Communication Type	IEEE802.3 compliant
Communication Speed	10BASE-T, 100BASE-TX
Connector	RJ45
Cable	CAT.5STP
Maximum Cable Length	100m
Isolation	Pulse transformer isolation
Communication Function	Maintenance communication (server), user communication (server/client), user communication UDP, Modbus TCP (server/client), Email, Web Server, PING, SNTP, FTP server/client, BACnet/IP server

ETHERNET PORT 2 SPECIFICATIONS

Communication Type	IEEE802.3 compliant
Communication Speed	10BASE-T, 100BASE-TX
Connector	RJ45
Cable	CAT.5STP
Maximum Cable Length	100m
Isolation	Pulse transformer isolation
Communication Function	Maintenance communication (server), user communication (server/client), user communication UDP, Modbus TCP (server/client), PING

FUNCTION SPECIFICATIONS CONT.

High-speed Counter	Maximum Counting Frequency and High- speed Counter Points	Total 6 points Single/two-phase selectable: 100kHz (single-phase: 6 points, two-phase: 3 points)		
riigii-speed counter	Counting Range	0 to 4,294,967,295 (32 bits)		
	Operation Mode	Rotary encoder mode, adding counter mode, frequency measurement mode		
Analog Potentiometer	Quantity	1 point		
Analog Fotentionietei	Data Range	0 to 1,000		
	Quantity	1 point		
Analog Voltage Input	Input Voltage Range	0 to 10V		
Allalog voltage iliput	Input Impedance	Αρρτοχ. 100ΚΩ		
	Digital Resolution	Approx. 4,000 steps (12 bits)		
	Quantity	4 points		
Pulse Output	Maximum Output Pulse Frequency	Q0, Q2, Q4, Q6: 100kHz		
(transistor output model only)	Reversible Control	Single-pulse output mode: 4 axis (Q0-Q7), Dual-pulse output mode: 4 axis (Q0-Q7)		
	PWM Output	Duty cycle 0.1 to 100.0% (increments of 0.1%), Output pulse frequency 15 to 5,000 Hz (increments of 1 Hz): 4 points (Q0, Q2, Q4, Q6) (Adjust 5µs minimum as ON time and 15µs minimum as OFF time.)		
USB Port		USB mini-B (maintenance communication)		
Ethernet Port 1		Maintenance communication (server), user communication TCP (server/client), user communication UDP, Modbus TCP (server/client), Email, Web Server, PING, SNTP, FTP server/client		
Ethernet Port 2		Maintenance communication (server), user communication TCP (server/client), user communication UDP, Modbus TCP (server/client), PING		
Cartridge (option)		Two cartridges can be added (when using FC6A–HPH1)/One cartridge can be added (when using FC6A–PH1)		
SD Card Slot		Embedded		
HMI Module (option)		Yes		

^{*1: 1} step equals 8 bytes.

INPUT SPECIFICATIONS

Part No.		FC6A-D16R*CEE FC6A-D16P*CEE FC6A-D16K*CEE	FC6A-D32P*CEE FC6A-D32K*CEE	
Input Points		8 (8/1 common)	16 (16/1 common)	
Rated Input Voltage		24V DC: 24V DC sink/source input signal		
Input Voltage Range		0 to 28.8V DC		
Rated Input Current		High speed input port 5mA/pt, middle/normal speed input port 7mA/pt		
Input Impedance		High speed input port $4.9k\Omega$, middle/normal speed input port: $3.4k\Omega$		
Input Delay	Turn ON Time	High speed input port: 5µs + filter value Middle speed input port: 35µs + filter value Normal speed input port: 35µs + filter value		
input belay	Turn OFF Time	High speed input port: 5µs + filter value Middle speed input port: 35µs + filter value Normal speed input port: 100µs + filter value		
Isolation		Between input terminals: Not isolated Internal circuit: Optocoupler-isolated		
Input Type		Type1 (IEC 61131-2)		
External Load for I/O Interco	onnection	Not needed		
Signal Determination Metho	od	Static		
Effect of Improper Input Connection		Both sinking and sourcing input signals can be connected, therefore reverse connection does not cause damage. If any input exceeding the rated value is applied, permanent damage may be caused.		
Cable Length		3m in compliance with electromagnetic immunity		
	Insertion Durability	100 times minimum		
Connector	Applicable Ferrule	1-wire: AI 0.5-8 WH (Phoenix Contact) 2-wire: AI-TWIN 2×0.5-8 WH (Phoenix Contact)		

RELAY OUTPUT SPECIFICATIONS

Part No.		FC6A-D16R*CEE
Relay Output Points		8
Output Points per Common Line	COM1	4
Common Line	COM2	4
Output Type		1NO
Marchael Commit	Per Point	2A
Maximum Load Current Per Common		COM1: 7A COM2: 7A
Minimum Switching Load		1mA/5V DC (reference value)
Initial Contact Resistance		$30m\Omega$ maximum

^{*2:} Not including expansion I/O service time, counter timer processing time, data link processing time, and interrupt processing time.

^{*3:} A maximum of 5 modules can be connected when using the expansion interface module separate type master.

^{*4:} Transistor output model

^{*5:} Communication module cannot be connected.

RELAY OUTPUT SPECIFICATIONS CONT.

Electrical Life		100,000 operations minimum (rated resistive load 1,800 operations/hour)
Mechanical Life		20,000,000 operations minimum (no load 18,000 operations/hour)
Rated Load		Resistive load: 240V AC 2A, 30V DC 2A Inductive load: 240V AC 2A (cos \emptyset = 0.4), 30V DC 2A (L/R =7 ms)
	Insertion/Removal Durability	100 times minimum
Connector	Applicable Ferrule	1-wire: AI 0.5-8 WH (Phoenix Contact) 2-wire: AI-TWIN 2×0.5-8 WH (Phoenix Contact)

TRANSISTOR OUTPUT SPECIFICATIONS

Part No. FG6A-D16P*CEE FG6A-D32P*CEE FG6A-D32P*CEE FG6A-D32P*CEE FG6A-D32K*CEE Transistor Output Points 8 (8/1 common) 16 (16/1 common) Output Type Transistor Sink FG6A-D16F1CEE/FG6A-D32K3CEE Transistor Source FC6A-D16P1CEE/FC6A-D32P3CEE Rated Load Voltage Voltage Tolerance 19,2 to 28.8V DC Voltage Tolerance 19,2 to 28.8V DC Rated Load Current Per Common 4,0A 0.1A Turn ON Time 0,5A 0.1A Turn ON Time Normal speed input port: 5us Normal speed input port: 300µs Isolation Between output terminals: Not isolated Voltage Drop (N Voltage) 17 max (voltage between COM and output terminal when output is on.) Inrush Current 1 1A 0.2A Leakage Current 0.1mA maximum Clamping Voltage 39V ±1V Maximum Lamp Load 12W 2.4W Inductive Load U/R=10ms (28.8V DC, 1Hz) Overcurrent Protection Transistor Sink Output: Normal power output designation. Put terminal at source) Insertion Durability 100 times minimum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Insertion Durability 1-wire: Al 0.5-8 WH (Phoenix Contact) 2-wire: Al 1.05-8 WH					
Output Type Transistor Sink Transistor Source Rated Load Voltage Voltage Tolerance Rated Load Current Per Point Per Common Output Delay Turn ON Time Turn ON Time Turn ON Time Normal speed input port: 5µs Norma	Part No.				
Transistor Source FC6A-D16P1CEE/FC6A-D32P3CEE Rated Load Voltage Voltage Tolerance 19.2 to 28.8V DC Rated Load Current Per Common 4.0A Output Delay Turn ON Time High speed input port: 5µs Normal speed input port: 5µs Normal speed input port: 5µs Normal speed input port: 300µs Isolation Between output terminial: Not isolated Between output terminial: Not isolated Between output terminial when output is on.) Inrush Current 1A 0.2A Leakage Current 0.1mA maximum Clamping Voltage 39V ±1V Maximum Lamp Load 12W 2.4W Inductive Load U/R=10ms (28.8V DC, 1Hz) Overcurrent Protection Transistor Sink Output: No Transistor Source Output: Optocoupler at the +V terminal at source) Insertion Durability 100 times minimum Connector Assistable Founds 11-wire: Al 0.5-8 WH (Phoenix Contact)	Transistor Outp	ut Points	8 (8/1 common)	16 (16/1 common)	
Transistor Source FG6A-D16P1CEE/FC6A-D32P3CEE Rated Load Voltage 24V DC Voltage Tolerance 19.2 to 28.8V DC Rated Load Current Per Common 4.0A 0.1A Turn ON Time 1,6A Turn ON Time 1,6A Turn OFF Time 1,64 speed input port: 5µs Normal speed input port: 50µs Normal speed input port: 500µs Isolation 8etween output terminal and Internal circuit: Optocoupler-isolated Between output terminals: Not isolated 8etween output terminals: Not isolated 8etween output terminals when output is on.) Inrush Current 1A 0.2A Leakage Current 0.1mA maximum Clamping Voltage 39V ±1V Maximum Lamp Load 12W 2.4W Inductive Load 12W 2.4W Inductive Load 0.7mA maximum 2.4V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 max minimum Connector 1-wire: Al 0.5-8 WH (Phoenix Contact)	Output Tupo	Transistor Sink	FC6A-D16K1CEE/FC6A-D32K3CEE		
Voltage Tolerance Rated Load Current Per Common Output Delay Turn ON Time Turn OFF Time Normal speed input port: 5µs Normal speed input port: 50µs Normal speed input port: 500µs Isolation Voltage Drop (ON Voltage) IV max (voltage between COM and output terminal when output is on.) Inrush Current Leakage Current Clamping Voltage Maximum Lamp Load IZW Overcurrent Protection Transistor Sink Output: No Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw Insertion Durability Inotimes minimum Aparticable Families 1-wire: Al 0.5-8 WH (Phoenix Contact)	output Type	Transistor Source	FC6A-D16P1CEE/FC6A-D32P3CEE		
Rated Load Current	Rated Load Volt	age	24V DC		
Current Per Common 4.0A 1.6A Output Delay Turn ON Time High speed input port: 5µs Normal speed input port: 5µs Normal speed input port: 300µs Isolation Between output terminal and Internal circuit: Optocoupler-isolated Between output terminals: Not isolated Voltage Drop (ON Voltage) 1V max (voltage between COM and output terminal when output is on.) Inrush Current 1A 0.2A Leakage Current 0.1m A maximum Clamping Voltage 39V ± 1V Maximum Lamp Load 12W 2.4W Inductive Load 12W 2.4W Inductive Load Verecurrent Protection Transistor Sink Output: No Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw 100m A maximum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Connector Applicable Familia.	Voltage Toleran	ce	19.2 to 28.8V DC		
Turn ON Time Turn ON Time Turn OFF Time Turn OFF Time High speed input port: 5µs Normal speed input port: 300µs High speed input port: 300µs Normal speed input port: 300µs Solation Between output terminal and Internal circuit: Optocoupler-isolated Between output terminals: Not isolated Voltage Drop (ON Voltage) 1V max (voltage between COM and output terminal when output is on.) Inrush Current 1A 0.2A Leakage Current Clamping Voltage 39V ±1V Maximum Lamp Load 12W 2.4W Inductive Load 0vercurrent Protection Transistor Source Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw Insertion Durability 100 times minimum Lyrie: Al 0.5-8 WH (Phoenix Contact)	Rated Load	Per Point	0.5A	0.1A	
Output Delay Turn OFF Time Normal speed input port: 300µs Isolation Between output terminal and Internal circuit: Optocoupler-isolated Between output terminals: Not isolated Voltage Drop (ON Voltage) 1V max (voltage between COM and output terminal when output is on.) Inrush Current 1A 0.2A Leakage Current 0.1mA maximum Clamping Voltage 39V ± 1V Maximum Lamp Load 12W 2.4W Inductive Load L/R=10ms (28.8V DC, 1Hz) Overcurrent Protection Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw 100mA maximum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Connector Apalicable Famule 1-wire: Al 0.5-8 WH (Phoenix Contact)	Current	Per Common	4.0A	1.6A	
Turn OFF Time High speed input port: 5µs Normal Speed input port: 300µs	Output Dolay	Turn ON Time	High speed input port: 5µs Normal speed input port: 300µs		
Between output terminals: Not isolated Voltage Drop (ON Voltage) 1V max (voltage between COM and output terminal when output is on.) Inrush Current 1A 0.2A Leakage Current Clamping Voltage 39V ± 1V Maximum Lamp Load 12W 2.4W Inductive Load L/R=10ms (28.8V DC, 1Hz) Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw Insertion Durability 100 times minimum Connector Applicable Familie 1-wire: Al 0.5-8 WH (Phoenix Contact)			Normal speed input port: 300µs		
Inrush Current 1A 0.2A Leakage Current 0.1mA maximum Clamping Voltage 39V ±1V Maximum Lamp Load 12W 2.4W Inductive Load 1/R=10ms (28.8V DC, 1Hz) Overcurrent Protection Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw 100mA maximum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Connector Applicable Famula 1-wire: Al 0.5-8 WH (Phoenix Contact)	Isolation				
Leakage Current 0.1mA maximum Clamping Voltage 39V ± 1V Maximum Lamp Load 12W 2.4W Inductive Load L/R=10ms (28.8V DC, 1Hz) Overcurrent Protection Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw 100mA maximum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Connector 1-wire: Al 0.5-8 WH (Phoenix Contact)	Voltage Drop (ON Voltage)		1V max (voltage between COM and output terminal when output is on.)		
Clamping Voltage 39V ±1V Maximum Lamp Load 12W 12W 10ductive Load L/R=10ms (28.8V DC, 1Hz) Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw 100mA maximum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Connector Applicable Famula 1-wire: Al 0.5-8 WH (Phoenix Contact)	Inrush Current		1A	0.2A	
Maximum Lamp Load 12W 1.4W 1.4W 1.4W 1.4M 1.4W 1.4M 1.4W 1.4M 1.4W 1.4M 1.4W	Leakage Curren	t	0.1mA maximum		
Inductive Load L/R=10ms (28.8V DC, 1Hz) Overcurrent Protection Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw 100mA maximum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Connector Applicable Families 1-wire: Al 0.5-8 WH (Phoenix Contact)	Clamping Voltag	je	39V ±1V		
Overcurrent Protection Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1) External Current Draw 100mA maximum, 24V DC (power voltage at the +V terminal, -V terminal at source) Insertion Durability 100 times minimum Connector Applicable Formula 1-wire: Al 0.5-8 WH (Phoenix Contact)	Maximum Lamp	Load	12W	2.4W	
Transistor Source Öutput: Overcurrent is detected by current limit resistance. (*1) External Current Draw Insertion Durability 100 times minimum Connector Applicable Formula 1-wire: Al 0.5-8 WH (Phoenix Contact)	Inductive Load		L/R=10ms (28.8V DC, 1Hz)		
Connector Insertion Durability 100 times minimum 1-wire: Al 0.5-8 WH (Phoenix Contact)	Overcurrent Protection		Transistor Sink Output: No Transistor Source Output: Overcurrent is detected by current limit resistance. (*1)		
Connector 1-wire: Al 0.5-8 WH (Phoenix Contact)	External Current Draw		100mA maximum, 24V DC (power voltage at the +V terminal, -V terminal at source)		
Applicable Formula I-WIFE: AI U.5-8 WH (Phoenix Contact)		Insertion Durability	100 times minimum		
	Connector	Applicable Ferrule	1-wire: AI 0.5-8 WH (Phoenix Contact) 2-wire: AI-TWIN 2×0.5-8 WH (Phoenix Contact)	_	

^{*1:} This overcurrent signals consist of one signal per 4 point outputs. When microprocessor gets this overcurrent signal by interrupt input, microprocessor turns off 4pt outputs of this category at fixed time (approx. 1sec). For the 16 point CPU, in place of *, specify the type of terminals. 1 = Screw or 4 = Push-in

For 32 point CPU, in place of *, specify the type of terminals. 3 = MIL Connector or 4 = Push-in

DIMENSIONS (MM)





