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Product Number	AFP7CCM1
Part Number	AFP7CCM1
Product	FP7 Add-on Cassettes
Details	Communication Cassettes
Product name	FP7 Add-on cassettes

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As of July 16, 2018

Specifications and design of the products are subject to change without notice for the product improvement.

Spec Detail

Item	Specifications
Product Number	AFP7CCM1
Part Number	AFP7CCM1

SPECIFICATIONS

Item	Specifications
Interface	RS-422 / RS-485 1 channel
Transmission distance	Max. 1,200 m 3,937 ft at RS-485 mode, Max. 400 m 1,312 ft at RS-422 mode (Note) If mixed C-NET adapters are used, up to 32 units can be connected, but transmission speed will be limited to a maximum of 19.2 kbits/sec.
Transmission speed	300,600,1200,2400,4800,9600,19200,38400,57600,115200, 230400 bits/sec.
Communication method	Half-duplex system
Synchronous method	Start-stop synchronization system
Transmission format	Stop bit: 1 bit / 2 bits Parity: Invalid / Valid (Odd / Even) Data length: 7 bits / 8 bits Start code: with STX / without STX End code: CR / CR + LF / None / ETX
Data transmission order	Transmit from bit 0 in character units.
Number of connected units	For general-purpose communication: Max. 99 units For computer link: Max. 99 units For PLC link: Max. 16 units For MODBUS-RTU: Max. 99 units (Note) If mixed C-NET adapters are used, up to 32 units can be connected, but transmission speed will be limited to a maximum of 19.2 kbits/sec. (Note) The converter SI-35 manufactured by LINE EYE Co., Ltd. is recommendable for the RS-485 at the computer side. When you use the SI-35,

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please adjust time after FP7 series PLC receives a command until it returns a response by a program.
(Note) 1: 1 for RS-422 interface.

COMMON GENERAL SPECIFICATIONS

Item	Specifications
Ambient temperature	0 to +55 degrees +32 to +131 degrees Fahrenheit , at storage: -40 to +70 degrees -40 to +158 degrees Fahrenheit
Ambient humidity	10 to 95 % RH (at 25 degrees 77 degrees Fahrenheit , no condensation), at storage: 10 to 95 % RH (at 25 degrees 77 degrees Fahrenheit , no condensation)
Breakdown voltage	500 V AC for 1 minute
Insulation resistance	100 MOhm or more (at 500 V DC)
Vibration resistance	5 to 8.4 Hz, single amplitude of 3.5 mm 0.14 in, 1 sweep/min. (IEC61131-2); 8.4 to 150 Hz, constant acceleration of 9.8 m/s ² , 1 sweep/min. (IEC61131-2); for 10 min. each in X, Y, and Z directions
Shock resistance	147 m/s ² or more, 3 times each in X, Y, and Z directions (IEC61131-2)
Noise immunity	1,000 V [p-p] with pulse width 50 ns and 1 micro s (using a noise simulator)
Operating condition	Free from corrosive gasses and excessive dust

INDIVIDUAL GENERAL SPECIFICATIONS

Item	Specifications
Rated voltage range	-
Current consumption	60 mA or less (Note) Increased CPU unit current consumption
Net weight	25 g approx. (with terminal block)

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