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AFP7FCA21 | FP7 Add-on cassettes (function cassettes)



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**RoHS
compliant**

Product Number	AFP7FCA21
Part Number	AFP7FCA21
Product	FP7 Add-on cassettes (function cassettes)
Product name	FP7 Add-on cassettes (function cassettes)

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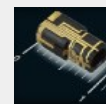
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As of July 16, 2018

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

Spec Detail

Item	Specifications
Product Number	AFP7FCA21
Part Number	AFP7FCA21

INPUT SPECIFICATIONS

Item	Specifications
Number of input points	2 channels (non-insulated between channels)
Input range:Voltage	0 to 10 V / 0 to 5 V, Switch setting (individual settings possible)
Input range:Current	0 to 20 mA
Digital conversion value	K0 to K4000
Resolution	1/4000 (12 bits)
Conversion speed	1 ms / channel
Overall precision	plus or minus 1 % F.S. or less (0 to 55 degrees 32 to 131 degrees Fahrenheit)
Input impedance:Voltage	1 MOhm
Input impedance:Current	250 Ohm
Absolute maximum input:Voltage	- 0.5 V, +15 V
Absolute maximum input:Current	+30 mA
Insulation method	- Between analog input terminal and internal digital circuit: transformer insulation, isolation IC insulation - Between analog input terminal and analog output terminal: transformer insulation, isolation IC insulation

External connection method	Connector type terminal block
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OUTPUT SPECIFICATIONS

Item	Specifications
Number of output points	1 channel
Output range:Voltage	0 to 10 V / 0 to 5 V, Switch setting
Output range:Current	0 to 20 mA
Digital conversion value	K0 to K4000
Resolution	1/4000 (12 bits)
Conversion speed	1 ms / channel
Overall precision	plus or minus 1 % F.S. or less (0 to 55 degrees 32 to 131 degrees Fahrenheit)
Output impedance	0.5 Ohm (voltage output)
Max. output current	10 mA (voltage output)
Absolute output load resistance	600 Ohm or less (current output)
Insulation method	- Between analog input terminal and internal digital circuit: transformer insulation, isolation IC insulation - Between analog input terminal and analog output terminal: transformer insulation, isolation IC insulation
External connection method	Connector type terminal block

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 0.138 in, 1 sweep/min. (IEC61131-2); 8.4 to 150 Hz, constant acceleration of 9.8 m/s ² , 1 sweep/min. (IEC61131-2), 10 times 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	75 mA or less (Note) This value is the increase in CPU current consumption.
Net weight	25 g approx. (with terminal block)

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