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AFP7FCTC2 | FP7 Add-on cassettes (function cassettes)



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**RoHS
compliant**

Product Number	AFP7FCTC2
Part Number	AFP7FCTC2
Product	FP7 Add-on cassettes (function cassettes)
Product name	FP7 Add-on cassettes (function 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	AFP7FCTC2
Part Number	AFP7FCTC2

仕様

Item	Specifications
Number of input points	2 channels (insulated between channels)
Input range:K type thermocouple	- 50.0 to 500.0 degrees - 58.0 to 932.0 degrees Fahrenheit
Input range:J type thermocouple	- 50.0 to 500.0 degrees - 58.0 to 932.0 degrees Fahrenheit
Digital conversion value:Normal time	K- 500 to K5000
Digital conversion value:When range over	K- 501, K5001 or K8000
Digital conversion value:When the thermocouple broken	K8000
Digital conversion value:When data preparation	K8001
Resolution	0.2 degrees 32.36 degrees Fahrenheit (Display is 0.1 degrees 32.18 degrees Fahrenheit with the software averaging process.)
Sampling cycle	100 ms / 2 channels
Overall precision	plus or minus 0.5 % F.S. or less and cold contact accuracy: 1.5 degrees 34.7 degrees Fahrenheit (0 to 55 degrees 32 to 131 degrees Fahrenheit)
Input impedance	344 KOhm

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
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	45 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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