



AFP7FCTC2 | FP7 Add-on cassettes (function cassettes)



※Photo may vary from actual product.

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

Spec Detail

As of May 30, 2021

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

Item	Specifications
Product Number	AFP7FCTC2
Part Number	AFP7FCTC2
[[仕様]]Number of input points	2 channels (insulated between channels)
[[仕様]]Input range:K type thermocouple	- 50.0 to 500.0 degrees - 58.0 to 932.0 degrees Fahrenheit
[[仕様]]Input range:J type thermocouple	- 50.0 to 500.0 degrees - 58.0 to 932.0 degrees Fahrenheit
[[仕様]]Digital conversion value:Normal time	K- 500 to K5000
[[仕様]]Digital conversion value:When range over	K- 501, K5001 or K8000
[[仕様]]Digital conversion value:When the thermocouple broken	K8000
[[仕様]]Digital conversion value:When data preparation	K8001
[[仕様]]Resolution	0.2 degrees (Display is 0.1 degrees with the software averaging process.)
[[仕様]]Sampling cycle	100 ms / 2 channels
[[仕様]]Overall precision	plus or minus 0.5 % F.S. or less and cold contact accuracy: 1.5 degrees (0 to +55 degrees +32 to +131 degrees Fahrenheit)
[[仕様]]Input impedance	344 kOhm
[[仕様]]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
[[仕様]]Connection method	Connector type terminal block
[[COMMON GENERAL SPECIFICATIONS]]Ambient temperature	0 to +55 °C +32 to +131 °F, Storage: -40 to +70 °C -40 to +158 °F
[[COMMON GENERAL SPECIFICATIONS]]Ambient humidity	10 to 95 % RH (at +25 °C +77 °F, no condensation), Storage: 10 to 95 % RH (at +25 °C +77 °F, no condensation)
[[COMMON GENERAL SPECIFICATIONS]]	500 V AC for 1 minute

SPECIFICATIONS]]Breakdown
voltage

[[COMMON GENERAL SPECIFICATIONS]]Insulation resistance	100 MOhm or more (at 500 V DC)
[[COMMON GENERAL SPECIFICATIONS]]Vibration resistance	5 to 8.4 Hz, single amplitude of 3.5 mm 0.138 in, 1 sweep/min. (IEC 61131-2) ; 8.4 to 150 Hz, constant acceleration of 9.8 m/s ² , 1 sweep/min. (IEC 61131-2), 10 times each in X, Y, and Z directions
[[COMMON GENERAL SPECIFICATIONS]]Shock resistance	147 m/s ² or more , 3 times each in X, Y, and Z directions (IEC61131-2)
[[COMMON GENERAL SPECIFICATIONS]]Noise immunity	1,000 V [p-p] with pulse width 50 ns and 1 micro s (using a noise simulator)
[[COMMON GENERAL SPECIFICATIONS]]Operating condition	Free from corrosive gasses and excessive dust
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Rated voltage range	-
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Current consumption	45 mA or less (Note) This value is the increase in CPU current consumption.
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Net weight	25 g approx. (with terminal block)

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