



AFP0RAD8 | FP0R Intelligent units



※Photo may vary from actual product.

Product Number	AFP0RAD8
Part Number	AFP0RAD8
Product	FP0R Analog input unit
Product name	FP0R Intelligent units

Spec Detail

As of May 23, 2021

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

Item		Specifications
Product Number	AFP0RAD8	
Part Number	AFP0RAD8	
[[INPUT SPECIFICATIONS]]Number of input / output channels	8 / 0	
[[INPUT SPECIFICATIONS]]Input range (digital input range) : Voltage	-10 to +10 V 14 bits (-8,000 to +8,000) -5 to +5 V 14 bits (-8,000 to +8,000) 0 to +10 V 14 bits (0 to +16,000) 0 to +5 V 14 bits (0 to +16,000) -100 to +100 mV 12 bits (-2,000 to +2,000)(Note) (Note) : It is equipped in the products after Ver.1.2 (12-bit mode only)	
[[INPUT SPECIFICATIONS]]Input range (digital input range) : Current	0 to 20 mA 14 bits (0 to +16,000)	
[[INPUT SPECIFICATIONS]]Absolute maximum input:Voltage	±15 V	
[[INPUT SPECIFICATIONS]]Absolute maximum input:Current	±30 mA	
[[INPUT SPECIFICATIONS]]Input impedance:Voltage	1 MΩ approx.	
[[INPUT SPECIFICATIONS]]Input impedance:Current	250 Ω approx.	
[[INPUT SPECIFICATIONS]]Max. resolution	14 bits (1/16,000)	
[[INPUT SPECIFICATIONS]]Overall accuracy : Voltage : ±100mV	±0.6 % F.S. or less (at +25 °C +77 °F) ±1.0 % F.S. or less (at 0 to +55 °C +32 to +131 °F)	
[[INPUT SPECIFICATIONS]]Overall accuracy : Voltage : Others	±0.2 % F.S. or less (at +25 °C +77 °F) ±0.4 % F.S. or less (at 0 to +55 °C +32 to +131 °F)	
[[INPUT SPECIFICATIONS]]Overall accuracy : Current	±0.3 % F.S. or less (at +25 °C +77 °F) ±0.6 % F.S. or less (at 0 to +55 °C +32 to +131 °F)	
[[INPUT SPECIFICATIONS]]Conversion speed	2 ms/all channels	
[[INPUT SPECIFICATIONS]]Other functions	Averaging processing (moving, number of times) Compatibility function for existing programs (12 bits)	
[[INPUT SPECIFICATIONS]]Insulation method : Between input terminals and internal circuit	Photocoupler and isolated DC/DC converter	
[[INPUT	Not insulated	

SPECIFICATIONS]]Insulation method
: Between channels

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