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AFP7X32D2 | FP7 Input and Output units



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*Photo may vary from actual product.

**RoHS
compliant**

Product Number	AFP7X32D2
Part Number	AFP7X32D2
Product	FP7 Input and Output Units
Details	Input units
Product name	FP7 Input and Output units

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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	AFP7X32D2
Part Number	AFP7X32D2

INPUT SPECIFICATIONS

Item	Specifications
Insulation method	Photocoupler insulation
Rated input voltage	24 V DC
Rated input current	2.7 mA
Impedance	8.2 kOhm
Min. ON voltage / Min. ON current	19.2 V / 2.5 mA
Max. OFF voltage / Max. OFF current	5 V / 1.5 mA
Response time:OFF→ON	0.2 ms or less (Note) Changeable by settable input time constant
Response time:ON→OFF	0.2 ms or less (Note) Changeable by settable input time constant
Input points per common	32 points/common
Operating mode indicator	32 points LED display (lights when ON)
External connection method	Connector (MIL-compliant 40 pins)

COMMON GENERAL SPECIFICATIONS

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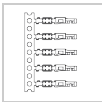
Item	Specifications
Ambient temperature	0 to +55 degrees +32 to +131 degrees Fahrenheit , at storage: -40 to +70 degrees -40 to +158 degrees Fahrenheit
Ambient humidity	10 to 95 % RH (at 25 degrees 77 degrees Fahrenheit , no condensation), at storage: 10 to 95 % RH (at 25 degrees 77 degrees Fahrenheit , no condensation)
Breakdown voltage	500 V AC for 1 minute (Note) The breakdown voltage is 2,300 V AC, 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	30 mA or less
Net weight	95 g approx.

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Accessories (Option)

		
Product Number AFP2801	Product Number AFP2802	Product Number AXW7221FP
Part Number AFP2801	Part Number AFP2802	Part Number AXW7221FP
Product name Discrete-wire connector set	Product name Flat cable connector set	Product Pressure contact for multi-wire
		Product name Pressure contact for multi-wire

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