



AFP7X32D2 | FP7 Input and Output units



※Photo may vary from actual product.

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

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		AFP7X32D2
Part Number		AFP7X32D2
[[INPUT SPECIFICATIONS]]Insulation method		Photocoupler insulation
[[INPUT SPECIFICATIONS]]Rated input voltage		24 V DC
[[INPUT SPECIFICATIONS]]Rated input current		2.7 mA
[[INPUT SPECIFICATIONS]]Impedance		8.2 kOhm
[[INPUT SPECIFICATIONS]]Min. ON voltage / Min. ON current		19.2 V / 2.5 mA
[[INPUT SPECIFICATIONS]]Max. OFF voltage / Max. OFF current		5 V / 1.5 mA
[[INPUT SPECIFICATIONS]]Response time:OFF→ON		0.2 ms or less (Note) Changeable by settable input time constant
[[INPUT SPECIFICATIONS]]Response time:ON→OFF		0.2 ms or less (Note) Changeable by settable input time constant
[[INPUT SPECIFICATIONS]]Input points per common		32 points/common
[[INPUT SPECIFICATIONS]]Operating mode indicator		32 points LED display (lights when ON)
[[INPUT SPECIFICATIONS]]External connection method		Connector (MIL-compliant 40 pins)
[[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]]Breakdown voltage		500 V AC for 1 minute (Note) The breakdown voltage is 2,300 V AC, 1 minute.
[[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	30 mA or less
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Net weight	95 g approx.

Accessories



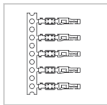
Product Number	AFP2801
Part Number	AFP2801
Product name	Discrete-wire connector set



Product Number	AFP2802
Part Number	AFP2802
Product name	Flat cable connector set



Product Number	AXW7221FP
Part Number	AXW7221FP
Product	Pressure contact for multi-wire
Product name	Pressure contact for multi-wire



Product Number	AXW7231FP
Part Number	AXW7231FP
Product	Pressure contact for multi-wire
Product name	Pressure contact for multi-wire