

AFP7X64D2 | FP7 Input and Output units



※Photo may vary from actual product.

RoHS compliant

Product Number	AFP7X64D2
Part Number	AFP7X64D2
Product	FP7 Input and Output Units
Details	Input units
Product name	FP7 Input and Output units

Spec Detail

As of September 04, 2023

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

Item	Specifications
Product Number	AFP7X64D2
Part Number	AFP7X64D2
[[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, two use)
[[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]]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	35 mA or less
[[INDIVIDUAL GENERAL SPECIFICATIONS]]Net weight	110 g approx.

Accessories



Product Number **AFP2801**

Part Number **AFP2801**

Product name **Scattered wire connector set**



Product Number **AFP2802**

Part Number **AFP2802**

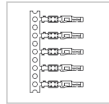
Product name **Flat cable connector set**



Product Number **AFP2808**

Part Number **AFP2808**

Product name **Push-In Connector Set**

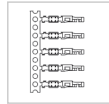


Product Number **AXW7221FP**

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**