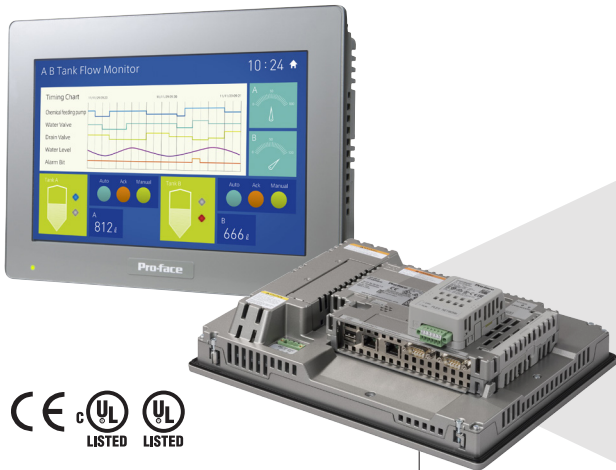


SP5000 Flex Network System




Powered by:



Features

- High Speed Twisted Pair Network
- Simplifies Machine I/O Wiring Design
- Analog and Discrete I/O Modules Available
- 35mm Din Rail Mounted
- 24V DC Powered
- Ideal for Distributed I/O Applications



SP5B10 Power Box

SP5000 Flex Network Master Unit

- Easy screen creation and control programming with GP-Pro EX
- Large displays available (7" wide to 19" wide)
- Easily add I/O features
- Mobility products supported (Pro-face HMI, Pro-face Connect)



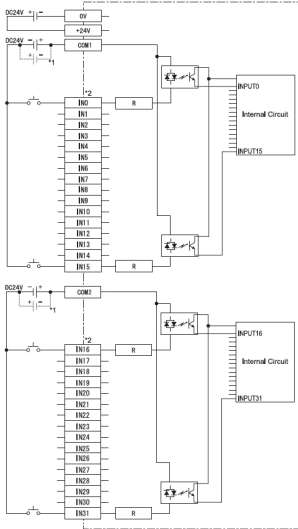
* Picture represents sample connection layout.

General Specifications

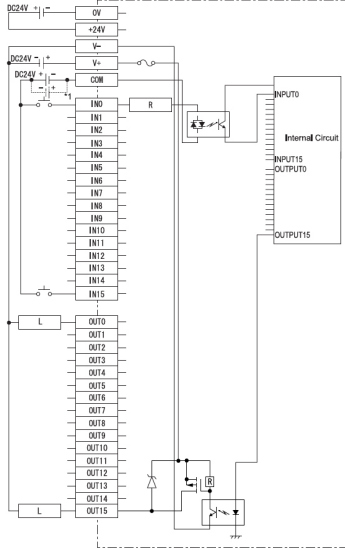
Model	FN-AD02AH41	FN-DA02AH41	FN-XY16SK41	FN-XY16SC41	FN-X32TS41	FN-XY32SKS41	PFXZCHEUFN1
Input / Output Type	2-Channel Analog Input	2-Channel Analog Output	32-Point Discrete Input	16-Point Discrete Input / 16-Point Sink Transistor Output	16-Point Discrete Input / 16-Point Source Transistor Output	32-Point Discrete Input / 32-Point Sink Transistor Output	Flex Network Master Unit for SP5000 series
Supply Voltage	Rated = 24 VDC / Range = 20.4 VDC to 28.8 VDC						3.3 VDC
Power Consumption	2.4W or less	2.4W or less	2.5W or less	2.5W or less	2.5W or less	3.5W or less	0.4W or less
Operating Temperature	0°C to 55°C						0°C to 60°C
Storage Temperature	-25°C to 70°C						-20°C to 60°C
Ambient Humidity	30% RH to 95% RH (non-condensing) Level RH-1	30% RH to 95% RH (non-condensing) Level RH-1	5% RH to 95% RH (non-condensing), wet bulb temp: < 39°	5% RH to 95% RH (non-condensing), wet bulb temp: < 39°	5% RH to 95% RH (non-condensing), wet bulb temp: < 39°	5% RH to 95% RH (non-condensing), wet bulb temp: < 39°	10% RH to 90% RH (non-condensing), wet bulb temp: 39°C or less
Electrostatic Discharge Immunity	Contact discharge of 6kV (IEC 61000-4-2 Level 3)						
Installation Method	Using 35mm DIN rail or screw mounting						Mounts directly onto the SP5B10
Weight	< 0.15kg (0.33lb)	< 0.15kg (0.33lb)	Max 0.15kg (0.33lb)	350kg (0.66 lb)	350kg (0.66 lb)	350kg (0.66 lb)	80g (2.82 oz)
External Dimensions	W85mm x H50mm x D50mm (3.35in x 1.97in x 1.97in)	W85mm x H50mm x D50mm (3.35in x 1.97in x 1.97in)	W110mm x H95mm x D57mm (4.33in x 3.7in x 2.24in)	W110mm x H95mm x D57mm (4.33in x 3.7in x 2.24in)	W110mm x H95mm x D57mm (4.33in x 3.7in x 2.24in)	W135mm x H95mm x D46mm (5.31in x 3.74in x 1.81in)	W60mm x H78mm x D41mm (2.36in x 3.07in x 1.61in)
Certifications	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (Class 1, Div 2)	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (Class 1, Div 2)	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (UL 508)	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (UL 508)	CE Marking (EN55011 class A, EN61000-6-2), UL / cUL (UL 508)	N/A	CE, EAC, KC, RCM, UL (61010-2-201, Class 1, Div 2)
Input / Output Range	0 to 10V 0 to 20mA (impedance 500Ω) 4 to 20mA (impedance 500Ω)	0 to 10V 0 to 20mA (impedance 100-500Ω) 4 to 20mA (impedance 100-500Ω)	Input: 24 VDC 20.4–28.8 VDC Output: 24 VDC 20.4–28.8 VDC	Input: 24 VDC 20.4–28.8 VDC Output: 24 VDC 20.4–28.8 VDC	Input: 24 VDC 20.4–28.8 VDC Output: 24 VDC 20.4–28.8 VDC	Input: 24 VDC 20.4–28.8 VDC Output: N/A	N/A
Input Voltage	N/A	N/A	On: Min. 15 VDC Off: Max. 5 VDC	On: Min. 15 VDC Off: Max. 5 VDC	On: Min. 15 VDC Off: Max. 5 VDC	On: Min. 15 VDC Off: Max. 5 VDC	N/A
Max Load Current	N/A	N/A	0.2A / point 1.6A / total	0.2A / point 1.6A / total	N/A	0.2A / point 1.6A per 16 ch.	N/A

Wiring Diagram Examples

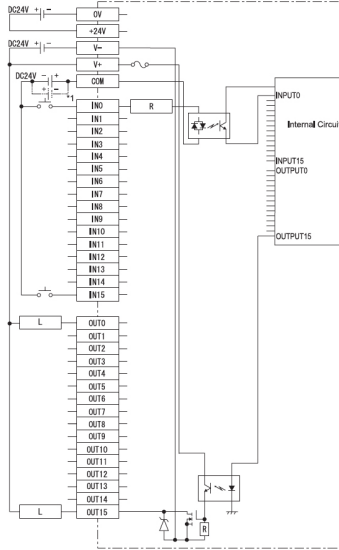
FN-X32TS41



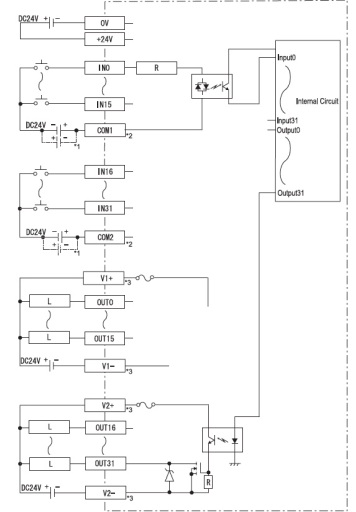
FN-XY16SC41



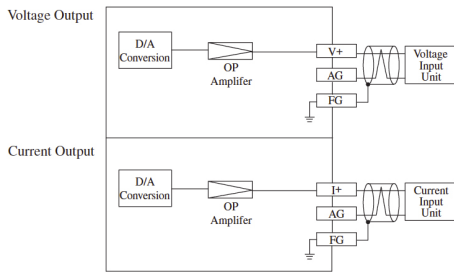
FN-XY16SK41



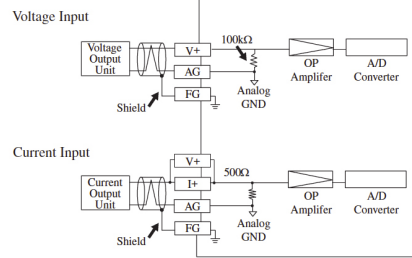
FN-XY32SK41



FN-DAO2AH41



FN-ADO2AH41



Ordering Information

Part Number	Description
FN-X32TS41	32-point sink-source shared I/O unit. DC24V input signal can be connected.
FN-XY16SK41	16-point sink-source and 16-point transistor output sink mixed I/O unit. Both DC24V input signals and DC24V output (load current: 200mA max / 1.6A / common) devices can be connected.
FN-XY16SC41	16-point sink-source and 16-point transistor output source mixed I/O unit. Both DC24V input signals and DC24V output (load current: 200mA max / 1.6A / common) devices can be connected.
FN-XY32SK41	32-point sink-source and 32-point transistor output sink mixed I/O unit. Both DC24V input signals and DC24V output (load current: 200mA max / 1.6A / common) devices can be connected.
FN-AD02AH41	Converts 2-channel analog signals to digital signals at 12-bit resolution.
FN-DA02AH41	Converts 2-channel 12-bit digital signal to analog signal and sends output.
PFXZCHEUFN1	SP5000 Flex Network Master Communication Unit
<i>Optional Accessories</i>	
FN-CABLE2200-31-MS	200m Flex Network Communication Cable. Connects units to the Flex Network modules.
PFXZCHCNFN2	SP5000 Flex Network Connector



California Proposition 65 Warning—Lead and Lead Compounds

Advertencia de la Proposición 65 de California—Plomo y compuestos de plomo

Avertissement concernant la Proposition 65 de Californie—Plomb et composés de plomb

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