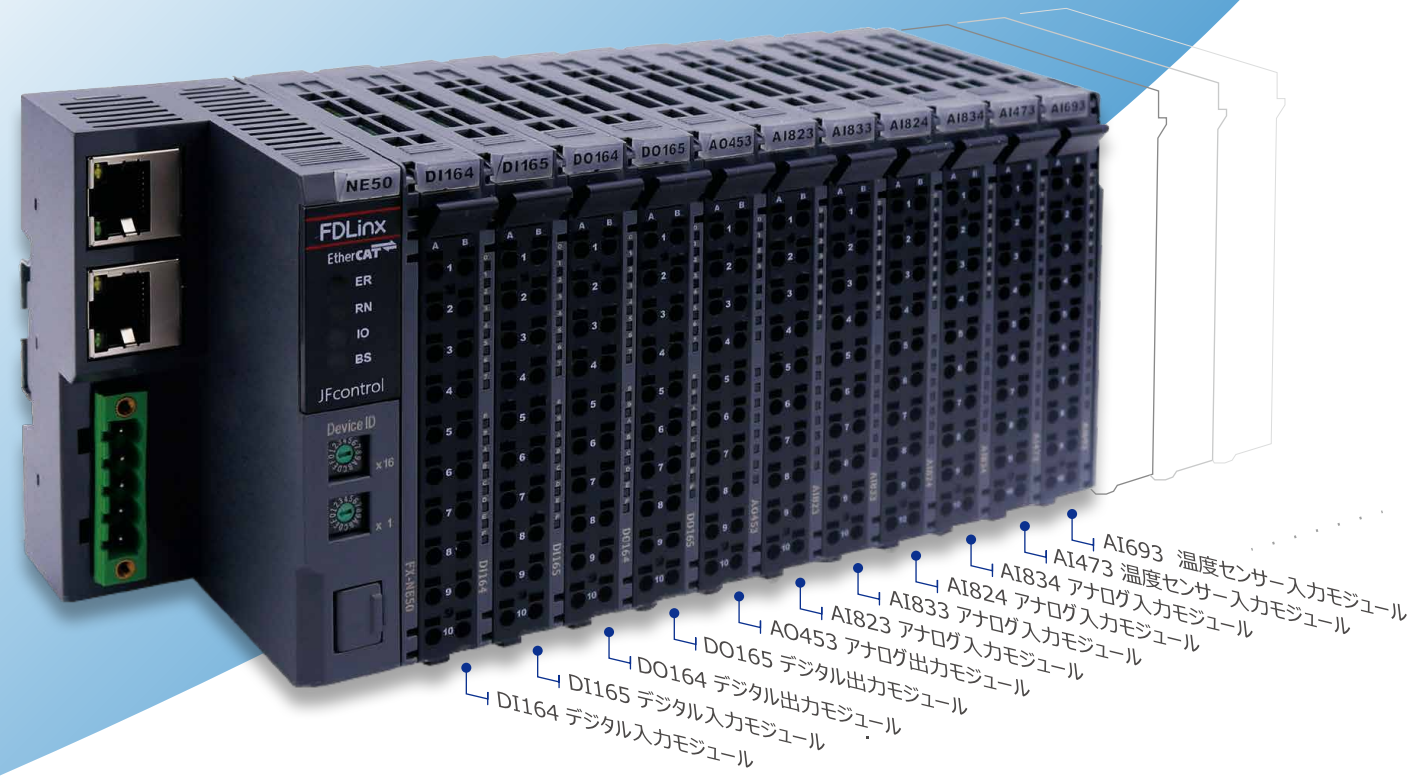
FDLinx

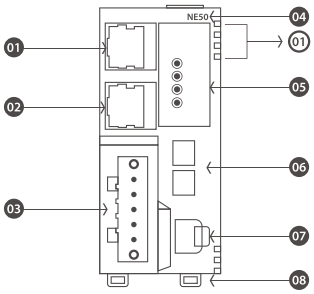
EtherCATリモートI/Oモジュール

FDLinxはEtherCATインターフェースを搭載したリモートI/Oモジュールです。コンパクトなサイズで、スライスモジュール方式で優れた拡張性を持っています。さらにプラグイン式のターミナルブロックとLEDインジケーターにより、ユーザーに簡単で便利なセットアップやメインテナンス環境を提供します。



NE50

EtherCAT通信アダプタ



01 EtherCAT INポート

02 EtherCAT OUTポート

03 電源入力
主回路電源 24VDC
主回路電源 GND
FG
フィールド電源 24VDC
フィールド電源 GND

04 モデル名

01 データバースコンタクト

05 LEDインジケーター
エラー、RUN、
I/O、バース

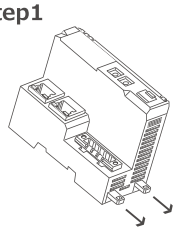
06 ロータリースイッチ(ノードのID)

07 ダウンロードポート

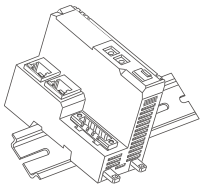
08 DINレールの固定用ハンドル

製品の設置・解除方法

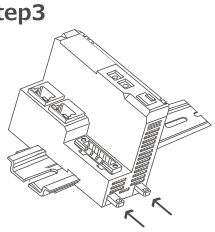
Step1



Step2



Step3



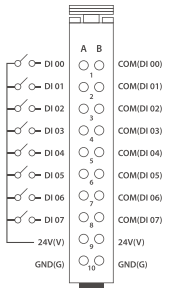
電源・一般仕様

ITEM	Descriptions	Remarks
System Power Supply		
Input Voltage	24 Vdc (18Vdc ~ 30 Vdc)	
Output	4Vdc, 1.5A (to FD-BUS Pin)	
Isolation	Non-Isolation	4V step down regulation
Field Power		
Input Voltage	24 Vdc (21 Vdc ~ 28 Vdc)	
Output	24Vdc, 10A	Power Bus
Isolation	2500Vrms System/Field	
General Specific		
Weight	105g	
Dimensions (WxHxD mm)	44 x 95 x 71	
Operating Temperature	-20 ºC ~ 60 ºC	
EMC immunity to interference	EN 61000-6-2	
EMC emission of interference	EN 61000-6-3	
Approval	NRTL, CE, KCC	

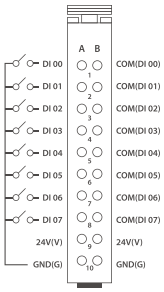
デジタル入力モジュール

Catalog Number	DI164	DI165
Description	Source(PNP), 12/24Vdc, 16 Inputs	Sink(NPN), 12/24Vdc, 16 Inputs
Input Points	16 points	
Type of Input	Source (PNP)	Sink (NPN)
On Voltage	11Vdc ~ 30Vdc	
On Current	2 mA ~ 8mA	
Off Voltage	0 Vdc ~ 5Vdc	
Off Current	0 mA ~ 1 mA	
Input Delay	0.2 ms	
Input Impedance	8.2KΩ typical	
System Current Consumption	130 mA	130 mA
Field Power	24Vdc via Power Bus	
Isolation	2500Vrms System / Field	
Terminal Block	20 Pin RTB, Push-In	
Wiring	24 .. 16 AWG	

DI164 Wiring Diagram
16-Points digital Inputs, 12/24V, Source (PNP) Type



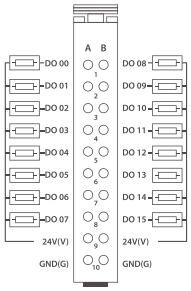
DI165 Wiring Diagram
16-Points digital Inputs, 12/24V, Sink (NPN) Type



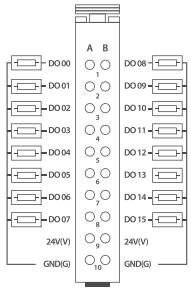
デジタル出力モジュール

Catalog Number	DO164	DO165
Description	Sink(NPN), 12/24Vdc, 16 Inputs	Source(PNP), 12/24Vdc, 16 Outputs
Output Points	16 points	
Output Type	Sink (NPN)	Source(PNP)
ON Voltage	10V dc ~ 30V dc	
ON Voltage Drop	0.5V dc maximum	
ON Current	1mA ~ 0.5A	
OFF Leakage	0.1mA maximum	
Output Delay	1 ms	
System Current Consumption	130mA	130 mA
Field Power	24Vdc via Power Bus	
Isolation	2500Vrms System/Field	
Terminal Block	20 Pin RTB, Push-In	
Wiring	24 .. 16 AWG	

DO164 Wiring Diagram
16-Points digital outputs, 12/24V, Sink(NPN) Type



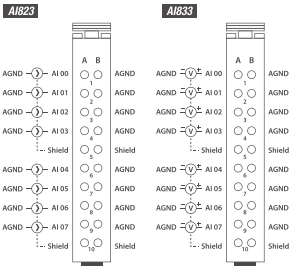
DO165 Wiring Diagram
16-Points digital outputs, 12/24V, Source(PNP) Type



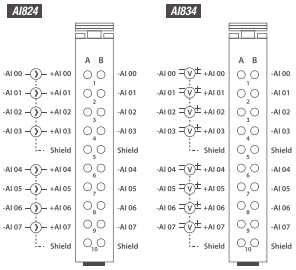
アナログ入力モジュール

Catalog Number	AI823	AI824	AI833	AI834
Description	8 Analog Current Inputs		8 Analog Voltage Inputs	
Input Type	0~20mA, 4~20mA		±5V, ±10V, 0-5V, 0-10V	
Input Common	Single-Ended	Differential	Single-Ended	Differential
Input Channels	8 channel			
Input Signal Range	0~21mA, 3.2~21mA	0~21mA, 3.2~21mA	±5.25V, ±10.5V	±5.25V, ±10.5V
Maximum Input	30 mA		±15 V	
Input impedance	<300 Ω		> 500KΩ	
Resolution	Signed 16 bits			
Overall accuracy (@ 25 ºC)	±0.2% @ Full Scale			
System Current Consumption	130 mA	130 mA	120 mA	120 mA
Field Power	24Vdc via Power Bus			

AI823/AI833 Wiring Diagram
AI823 : 8-Channel Current Inputs Single-Ended
AI833 : 8-Channel Voltage Inputs Single-Ended



AI824/AI834 Wiring Diagram
AI824 : 8-Channel Current Inputs Differential
AI834 : 8-Channel Voltage Inputs Differential

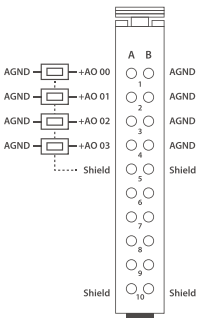


アナログ出力モジュール

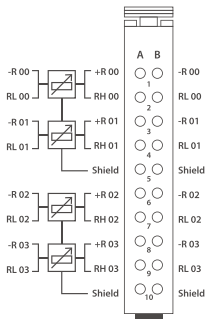
Catalog Number		AO453
Description		4 Analog Voltage / Current Outputs
Output Channels		4 channels, non-isolated
Output Type	Voltage	±5V, ±10V, 0-5V, 0-10V
	Current	0~20mA, 4~20mA
Output Range	Voltage	±5.25V, ±10.5V,0-5V, 0-10V
	Current	0~21mA, 3.2~21mA
Resolution		16 bits signed

Catalog Number	AO453
Resolution	16 bits signed
Overall accuracy (@ 25 ºC)	±0.2% @ Full Scale
Allowable external output load resistance	Voltage > 3KΩ, Current < 600 Ω
Output impedance	0.5W max.
System Current Consumption	130 mA
Field Power	24Vdc via Power Bus

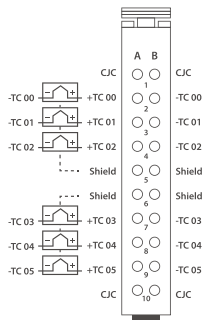
AO453 Wiring Diagram
4-Channel Analog Outputs Voltage / Current



AI473 Wiring Diagram
4-Channel RTD Inputs 4 Wire



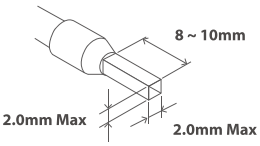
AI693 Wiring Diagram
6-Channel TC Inputs



温度センサー入力モジュール

Catalog Number		AI473	AI693
Description		4RTD Inputs (Resistance Temperature Detector)	6 TC Inputs (Termocoupler Temperature Detector)
Input Type		4 wire RTD	6 TC(Thermo-Couple)
Input Sensor	Sensor	Pt100, Pt200, Pt500, Pt1000, JPt100, JPt200, JPt500, JPt1000	R, S, K, J, T, B, E, N
	Resistor(AI473) / Voltage(AI693)	1-327 Ω,1-1000 Ω, 1- 2000 Ω	±32.7 mV, ±65.5 mV, ±78 mV
Maximum Input		2.5V	±2.5V
Input impedance		> 1MΩ	> 1MΩ
Resolution		0.1ºC	0.1ºC
Overall accuracy (@ 25 ºC)		±0.2% @ Full Scale	±0.2% @ Full Scale ,
System Current Consumption		130 mA	120 mA
Field Power		24Vdc via Power Bus	24Vdc via Power Bus

ターミナル仕様



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