EPS-1032
Remote 32CH Digital Input Module for EtherCAT

Getting Started

Ensure the EPS-9905 and EPS-6000 are configured and operational

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Slide the EPS-1032 module into any vacant slot (from Slots 1 to 4) along the guide groove until firmly seated

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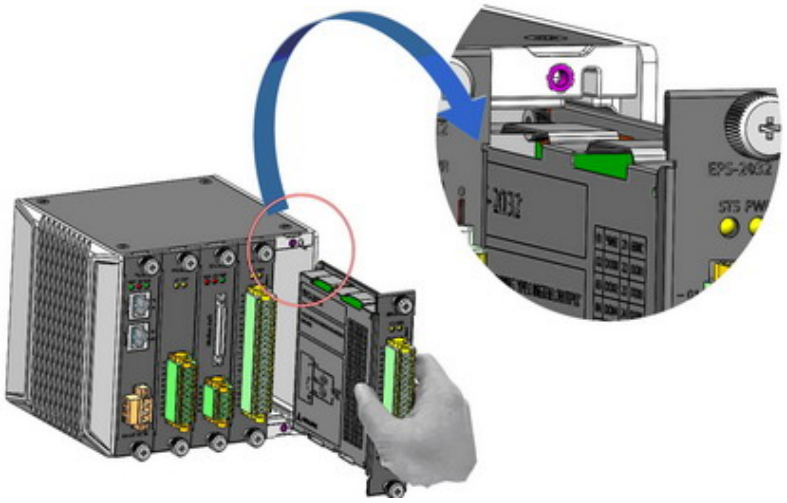
Tighten the thumbscrew and complete signals wiring

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Power up the EPS system

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Configure and generate the ESI file with LinkMasterPro™



Specifications

Channels	32CH
Input Type	Sourcing
EVCC Input	24V ±10%
ON State Input Voltage	24V ±10%
ON State Input Current	2.5 mA (typ.)
I/O Protection Input Voltage	Up to 30V
I/O Protection Reverse Voltage	Up to -30V
Response Time	150µs to 3ms
Power Consumption from Chassis	< 600mW (max.)
Thermal Dissipation (max temp.)	< 2.55W (max.) @ EVCC=24V+10%
Isolation (Channel-to-DGND)	2kV (DC)
Isolation (Channel-to-Chassis)	2kV (DC)

Features

- Supports 32 digital input channels
- IEC 61131-2 compliant
- Sourcing input with 2.5mA current (typ.)
- Operable in -20°C to 60°C environments
- Hot swappable under sustained power
- Module temperature self-diagnostics

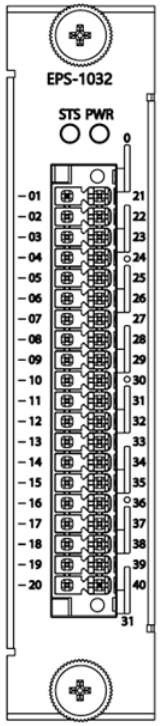
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Connector

Connector: Phoenix Contact, DFMC series, 1787195, pitch=3.5mm, 2x20pin, AWG 16-24 gauge

Pin Definitions

Pin	Description	Pin	Description
01	DI00	21	DI01
02	DI02	22	DI03
03	DI04	23	DI05
04	DI06	24	DI07
05	COM0	25	N/C
06	DI08	26	DI09
07	DI10	27	DI11
08	DI12	28	DI13
09	DI14	29	DI15
10	COM1	30	N/C
11	DI16	31	DI17
12	DI18	32	DI19
13	DI20	33	DI21
14	DI22	34	DI23
15	COM2	35	N/C
16	DI24	36	DI25
17	DI26	37	DI27
18	DI28	38	DI29
19	DI30	39	DI31
20	COM3	40	N/C

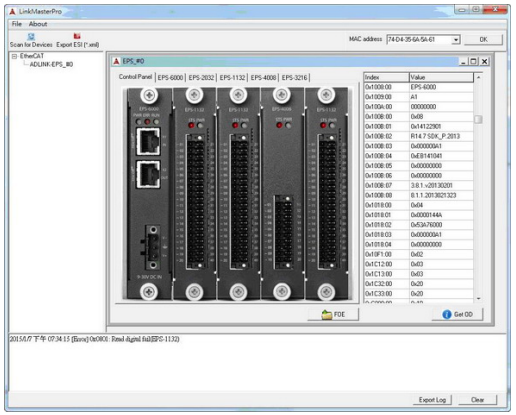


LED Indicators

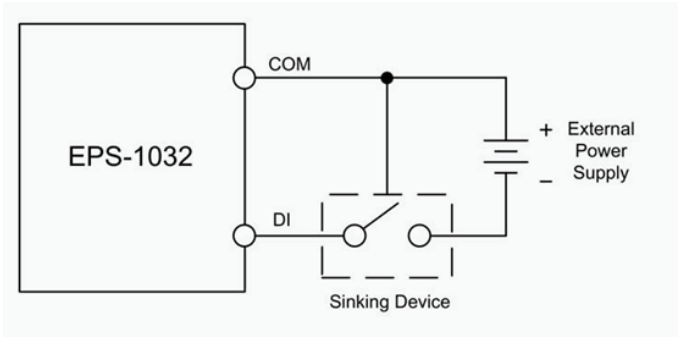
LED	Status	Function
STS	Lit	Error, check error code table
	Off	Normal
	Blinking	Warning, check error code table
PWR	Lit	Module Power ON
	Off	Module Power OFF
Channel (0-3, 4-7, 8-11, 12-15, 16-19, 20-23, 24-27, 28-31)	Lit	Channel Active

Configuration & ESI Generation

LinkMasterPro™ is a Windows-based utility from ADLINK, helping configuration of the entire EPS system and generating corresponding EtherCAT slave information (referred to ESI) in XML format. LinkMasterPro™ automatically detects installed EPS modules and evaluates functionality of the EPS system.



Signal Connection



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