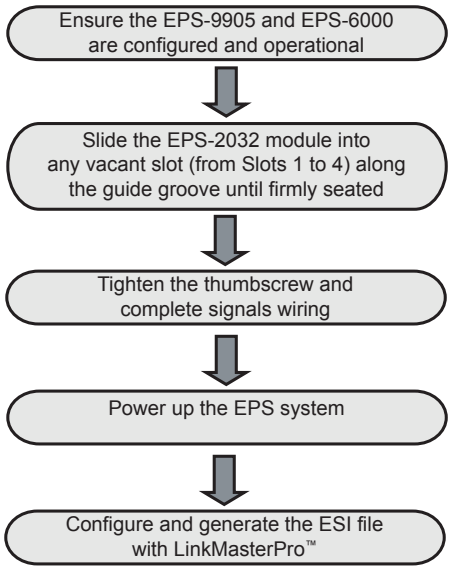
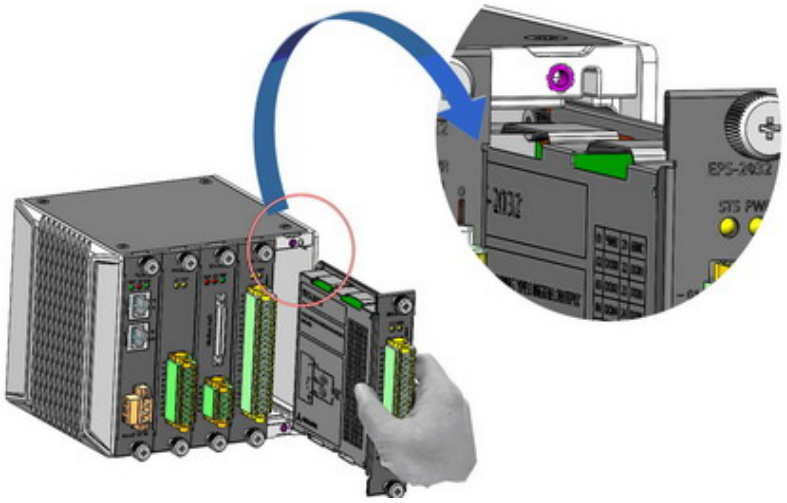
# *EPS-2032*
# *Remote 32CH Digital Output Module for EtherCAT*

## Getting Started



## Specifications

| | |
|---|---|
| Channels | 32 CH |
| Output | Sourcing |
| EVCC Input | 12 to 24V ±10% |
| Output Impedance (Rout) | 200Ω |
| Output Current (Iout) | 300mA per CH<br>800mA per 4-CH |
| Output Voltage (Vout) | EVCC – (Iout x Rout) |
| IO Protection Reverse Voltage | None |
| IO Protection Current Limit | 1.2A for 4CH |
| IO Protection Short Circuit | None |
| Power On State | Off |
| Response Time | 4KHz |
| Power Consumption from Chassis | < 400mW (max.) |
| Thermal Dissipation (@max temp.) | < 2.55W (max.)<br>@ EVCC=24V+10% |
| Isolation (Channel-to-DGND) | 2kV (DC) |
| Isolation (Channel-to-Chassis) | 2kV (DC) |

## Features

- Supports 32 digital output channels
- IEC 61131-2 compliant
- Sourcing type design
- Individual LED channel indicators
- Operable in -20°C to 60°C environments
- Compact 100 (L) x 100 (H) mm size
- Module temperature self-diagnostics



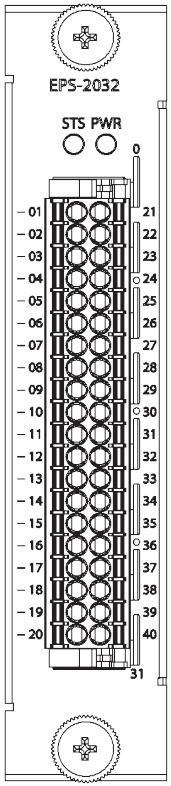
Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

## Connector

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

### Pin Definitions

| Pin | Description | Pin | Description |
|---|---|---|---|
| 01 | EVCC | 21 | EVCC |
| 02 | DO00 | 22 | DO01 |
| 03 | DO02 | 23 | DO03 |
| 04 | DO04 | 24 | DO05 |
| 05 | DO06 | 25 | DO07 |
| 06 | DO08 | 26 | DO09 |
| 07 | DO10 | 27 | DO11 |
| 08 | DO12 | 28 | DO13 |
| 09 | DO14 | 29 | DO15 |
| 10 | EGND | 30 | EGND |
| 11 | EVCC | 31 | EVCC |
| 12 | DO16 | 32 | DO17 |
| 13 | DO18 | 33 | DO19 |
| 14 | DO20 | 34 | DO21 |
| 15 | DO22 | 35 | DO23 |
| 16 | DO24 | 36 | DO25 |
| 17 | DO26 | 37 | DO27 |
| 18 | DO28 | 38 | DO29 |
| 19 | DO30 | 39 | DO31 |
| 20 | EGND | 40 | EGND |

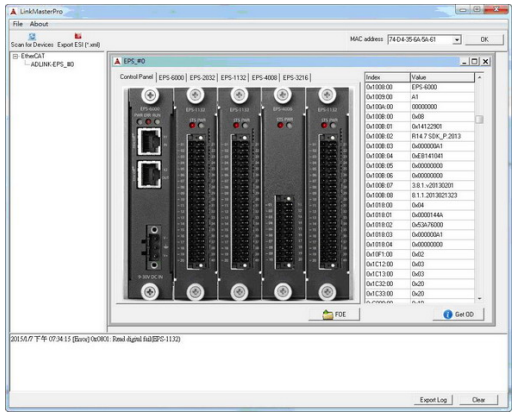



### LED Indicators

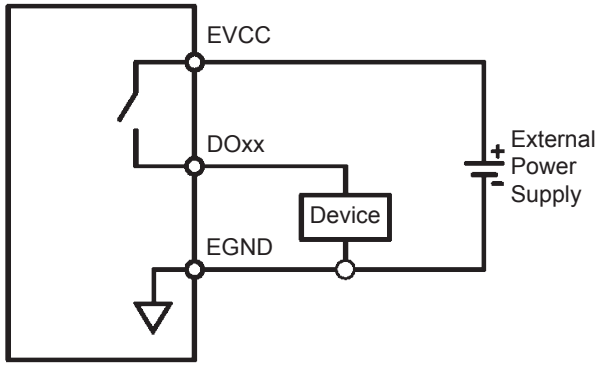
| LED | Status | Function |
|---|---|---|
| STS | Blinking | Temperature Protection Module Present |
| PWR | Lit | Module Power Status |
| Channel (0-3, 4-7, 8-11, 12-15, 16-19, 20-23, 24-27, 28-31) | Lit | Channel Active |

## 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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