

## Introduction

The JCAT2 junction slave board can be used to wire daisy chain, star and tree networks.

Helps users improve the assembly and wiring of EtherCAT lines.

The three shielded RJ45 ports, located on the front panel, allow the user to connect EtherCAT lines.

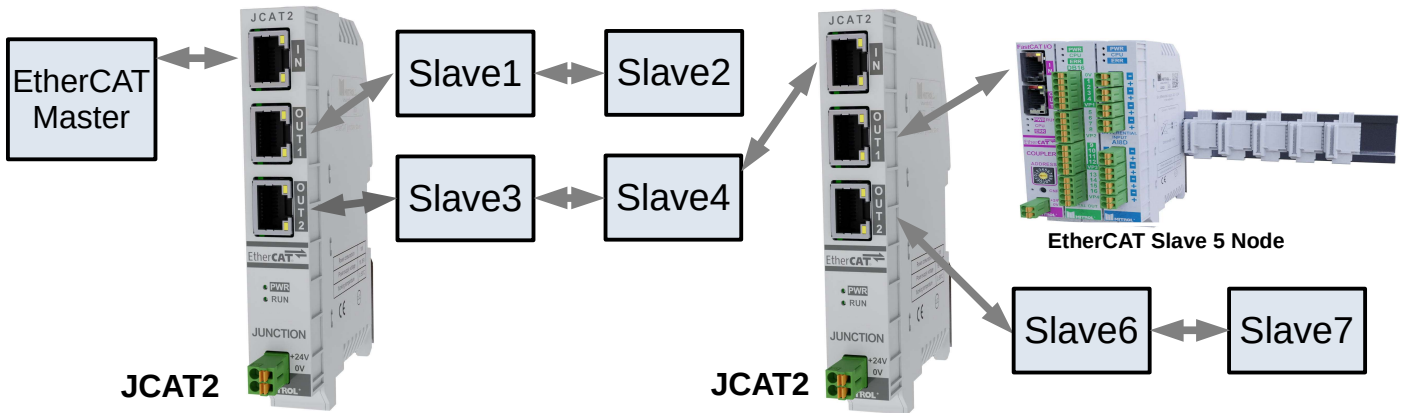
The JCAT2 module is designed for standard DIN rail mounting and has a wide range of power supplies.



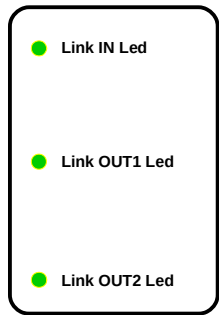
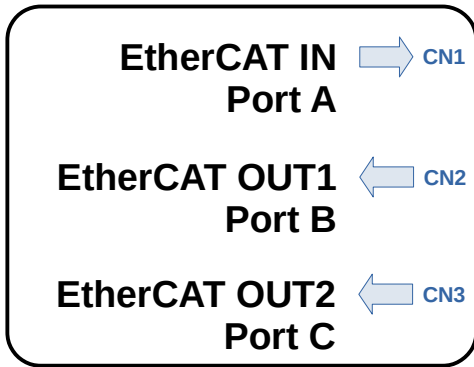
## Hardware Specification

| Feature                       |  |
|-------------------------------|--|
| Supply voltage                | 24Vdc typ (range 18..36V)  |
| Fieldbus                      | EtherCAT   |
| Data transfer medium / rate   | EtherCAT cable min. Cat 5 shielded / 100 Mbit  |
| Distance between stations     | Max. 100m  |
| Bus interface                 | 3 x RJ45   |
| Electrical                    |  |
| Electrical Isolation          | 1000Vrms   |
| Power consumption             | 2W   |
| Stripping length              | 8-9mm  |
| Specification                 | EN 61131-2   |
| Diagnostic leds               | Power (green) EtherCAT run (yellow)<br>Link IN (green) Link OUT1 (green) Link OUT2 (green) |
| Mechanical                    |  |
| Dimensions [W x H x D]        | 19x120x93mm  |
| Installation                  | On 35mm DIN-Rail   |
| Enviroment                    |  |
| Operating/storage temperature | 0..55°C / -20..+85°C   |
| Relative humidity             | Max 95% without condensation   |
| Degree of protection          | IP20   |

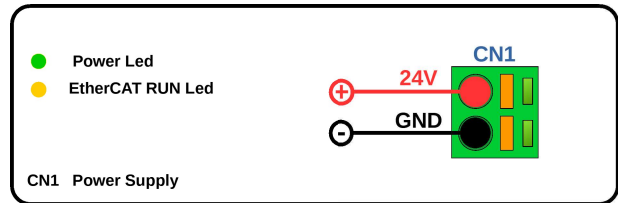
### Application



### Pin Assignments



RJ45 connector shields are connected to the earth from DIN RAIL



### Dimensions (Units: mm)

