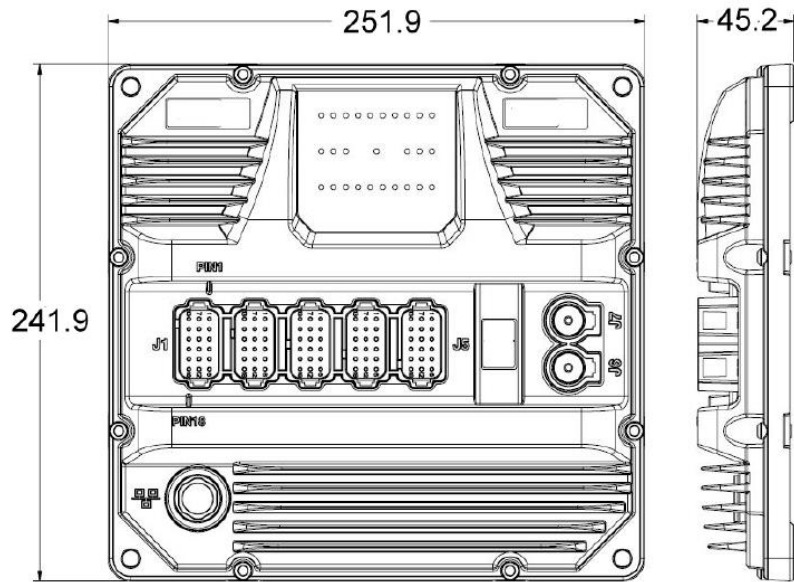


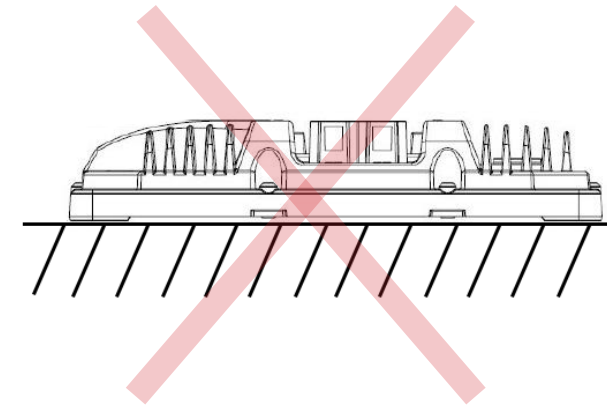
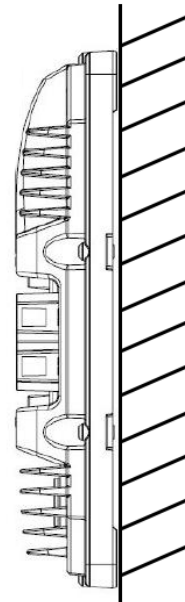
## Mounting Dimensions



Unit measured in mm

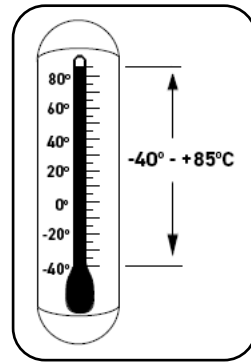
## Installation

## CM3033



### ! NOTICE

The Application Software must be loaded on the module for your CM3033 to perform the Task(s) you require.



2004/108/EC

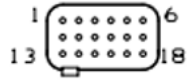
### ! WARNING

**FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.**

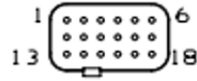
This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application, including consequences of any failure, and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

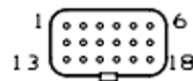
\*View of mating connectors from back-side of connector where wires enter



CM3033 J1 Connector



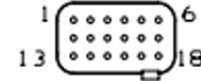
CM3033 J2 Connector



CM3033 J3 Connector



CM3033 J4 Connector



CM3033 J5 Connector

PIN	PIN Function
J1-1	CAN 5 HI
J1-2	CAN 5 LO
J1-3	INPUT 31 IDTAG
J1-4	CAN 1 SHLD
J1-5	INPUT 2 (Vin/Din)
J1-6	ETH TRD Pos
J1-7	CAN 4 HI
J1-8	CAN 3 HI
J1-9	CAN 2 HI
J1-10	CAN 1 HI
J1-11	GND
J1-12	ETH TRD Neg
J1-13	CAN 4 LO
J1-14	CAN 3 LO
J1-15	CAN 2 LO
J1-16	CAN1 LO
J1-17	INPUT 1 (Vin/Din)
J1-18	VBATT

PIN	PIN Function
J2-1	INPUT 29 (Din/Freq)
J2-2	INPUT 22 (Vin/Din)
J2-3	INPUT 9 (Vin/Din)
J2-4	INPUT 3 (Vin/Din)
J2-5	OUTPUT 32 LS (10A)
J2-6	OUTPUT 31 LS (10A)
J2-7	INPUT 26 (Vin/Din/Rin)
J2-8	INPUT 21 (Vin/Din)
J2-9	INPUT 8 (Vin/Din)
J2-10	LS OUTPUT GND
J2-11	LS OUTPUT GND
J2-12	OUTPUT 30 LS (10A)
J2-13	INPUT 23 (Vin/Din)
J2-14	INPUT 10 (Vin/Din)
J2-15	INPUT 4 (Vin/Din)
J2-16	OUTPUT 27 LS (10A)
J2-17	OUTPUT 28 LS (10A)
J2-18	OUTPUT 29 LS (10A)

PIN	PIN Function
J3-1	OUTPUT 17 HS (5A)
J3-2	OUTPUT 3 HS (2.5A)
J3-3	INPUT 19 (Vin/Din)
J3-4	INPUT 14 (Vin/Din)
J3-5	OUTPUT 2 HS (2.5A)
J3-6	OUTPUT 18 HS (5A)
J3-7	OUTPUT 15 HS (5A)
J3-8	INPUT 28 (Vin/Din/Rin)
J3-9	INPUT 20 (Vin/Din)
J3-10	LS OUTPUT GND
J3-11	LS OUTPUT GND
J3-12	OUTPUT 16 HS (5A)
J3-13	OUTPUT 13 HS (5A)
J3-14	INPUT 30 (Din/Freq)
J3-15	INPUT 24 (Vin/Din)
J3-16	INPUT 18 (Vin/Din)
J3-17	INPUT 13 (Vin/Din)
J3-18	OUTPUT 14 HS (5A)

PIN	PIN Function
J4-1	OUTPUT 19 HS (5A)
J4-2	OUTPUT 9 HS (2.5A)
J4-3	SNSR SUPPLY 5/8V
J4-4	INPUT 12 (Vin/Din)
J4-5	OUTPUT 10 HS (2.5A)
J4-6	OUTPUT 20 HS (5A)
J4-7	OUTPUT 5 HS (2.5A)
J4-8	INPUT 27 (Vin/Din/Rin)
J4-9	INPUT 16 (Vin/Din)
J4-10	SNSR GND
J4-11	INPUT 11 (Vin/Din)
J4-12	OUTPUT 8 HS (2.5A)
J4-13	OUTPUT 7 HS (2.5A)
J4-14	OUTPUT 1 HS (2.5A)
J4-15	INPUT 17 (Vin/Din)
J4-16	INPUT 15 (Vin/Din)
J4-17	OUTPUT 4 HS (2.5A)
J4-18	OUTPUT 6 HS (2.5A)

PIN	PIN Function
J5-1	OUTPUT 25 HS (10A)
J5-2	SUPPLY OUTPUT 25
J5-3	OUTPUT 21 HS (10A)
J5-4	OUTPUT 22 HS (10A)
J5-5	SUPPLY OUTPUT 26
J5-6	OUTPUT 26 HS (10A)
J5-7	SUPPLY OUTPUT 23
J5-8	INPUT 25 (Vin/Din/Rin)
J5-9	INPUT 6 (Vin/Din)
J5-10	LS OUTPUT GND
J5-11	LS OUTPUT GND
J5-12	SUPPLY OUTPUT 24
J5-13	OUTPUT 23 HS (10A)
J5-14	OUTPUT 11 HS (5A)
J5-15	INPUT 7 (Vin/Din)
J5-16	INPUT 5 (Vin/Din)
J5-17	OUTPUT 12 HS (5A)
J5-18	OUTPUT 24 HS (10A)

**NOTICE**

To meet environmental specifications connectors must be properly installed and sealing plugs must be inserted in all unused pin positions!

**Key**

- Freq: = Frequency input
- Vin: = Voltage input
- Din: = Digital input
- Rin: = Resistive input
- TRD Pos = Transmit/Receive Differential pair Positive
- TRD Neg = Transmit/Receive Differential pair Negative
- SHLD = Shield
- HS = High Side
- LS = Low Side
- SNSR = Sensor
- GND = Ground (Battery Negative)
- VBATT = Battery Voltage

**Note: All Outputs can be used as Inputs Outputs 23 to 26:**

- Outputs 23, 24, 25 and 26 have individual dedicated power supply pins (SUPPLY OUTPUT 23,24,25,26)!

**LS Outputs:**

- When using LS Outputs, the "LS OUTPUT GND" pins must be connected to Chassis GND/Battery Negative! Damage to controller may occur otherwise!



CM3033 J6 Connector

PIN	PIN Function
J6-1	BUS BAR 1

(Supply Outputs: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21)



CM3033 J7 Connector

PIN	PIN Function
J7-1	BUS BAR 2

(Supply Outputs: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22)