

Power Rider- PDU

The Power to Manage and Protect, Multi Circuit breaker, relay and contactor

RD000131
MC 12 channel - PDU, Mil Std



Main Features:

- Up to 25A for each channel circuit breaker
- 8- 48V DC
- Circuit breaker (fuse), relay, and contactor in each channel
- Three levels of protection:
 - Software – I^2t , over-current, over-voltage, over-temperature
 - Hardware – 1 μ second over-current cutoff
 - Thermal fuse
- Solid-state based technology
- Cascade option
- Circuit breaker support network
- Configurable – over 20 flexible configuration parameters for each channel individually
- Intuitive GUI, DLL library
- Building block for ‘Power Distribution Unit’
- Measurement of input voltage, output voltage, load current and temperature
- Communication: CAN bus (50kbps-1Mbps - J1939), Ethernet (UDP) or RS 422/485.
- Advanced reporting and easy maintenance – event logs, graphs, conditional alerts
- Discrete I/O: 12 digital input, 2 digital output (open collector)
- Option to connect up to three channels in parallel (up to 75 Ampere)
- Sleep mode / Shut Down mode
- BIT (Power-on and On-the-fly built-in test)
- MTBF – 15.9 Years. (24 working hours per day)
- Available in authorised countries only.

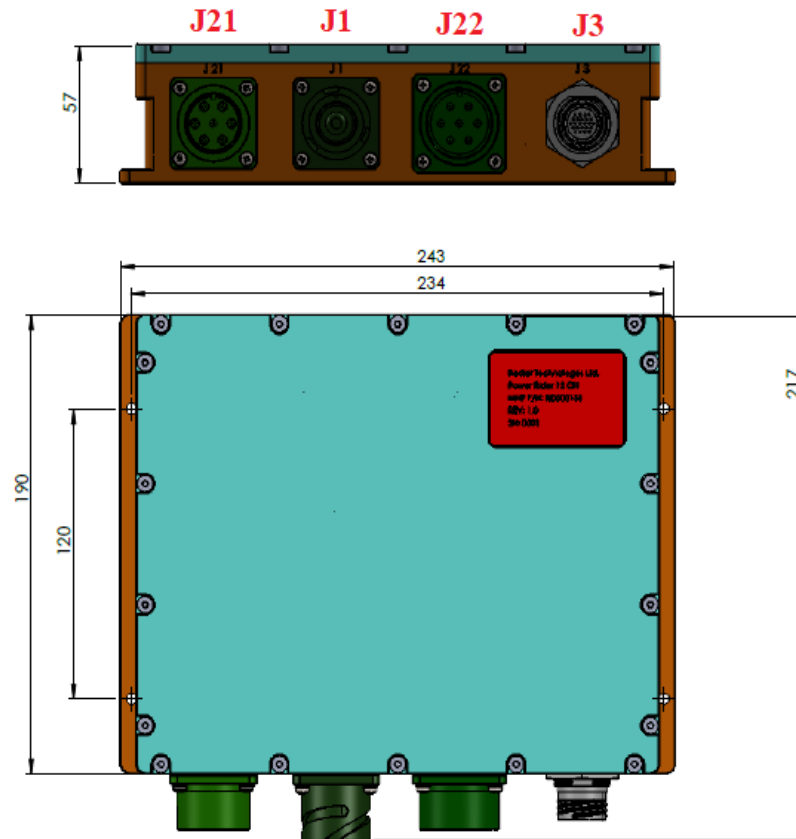
Added values:

- Patent short circuit protection – never goes short.
- Configurable 40 parameters and recovery plan
- Channel base configuration option
- Supports Scenarios’ based logic configuration and Iner-redundancy programing
- Non- developer: Easy to use, intuitive GUI/DLL
- Easy power Grid design and supports Protected Node mode

User interface table

Name	Description	User Interface P/N	Notes
J3 Control Connector	Communication and digital interface P/N: DTS 24W13-35SN	P/N: DTS 26WC35PN	See Table 3
J1 IN	Power Input + (+Vin) P/N: CA3102E20-2PB	P/N: CA3101E20-2PB	
J21 OUT	Power Output (Load) CH1-CH6 P/N: MS3102E20-15SW	P/N: MS3101E20-15PW	See Table 4
J22 OUT	Power Output (Load) CH7-CH12 P/N: MS3102E22-28SW	P/N: MS3101E22-28PW	See Table 5

Mechanical dimensions: Mechanical dimensions:



(in mm unless otherwise noted)

Unit weight: 3150 g



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