



CesCom

N400
ACA approved



CE0805 9000 Series MultiPLC

Multicore PLC Module

Features

- Rugged Deutsch Thermoplastic Environmental enclosure
- Direct +9 to +30V operation – fully protected
- 16 Programmable Ultra high-speed Digital/Analog I/O pins
- 10 amp sink or source
- Simultaneous analog inputs on all pins
- Dual RS-485 ports or single RS-422/RS-232
- Network expandable
- 80MHz multi-core P8X32 processor



Overview

A PLC that's designed for rugged environments and automotive operation from +12 to +28V with on-board current limiting and transient protection. The PLC features 16 pin programmable inputs/outputs capable of sourcing or sinking 10 amps each. Each input/output can be configured for analog in/out, digital input, source, sink, or half-bridge. As well it features dual RS-485 ports and a multicore processor featuring eight 32-bit cores ready to tackle any high-speed real-time operation. Standard bus protocols include MODBUS. This unit is user programmable and is supplied with free programming software and libraries.

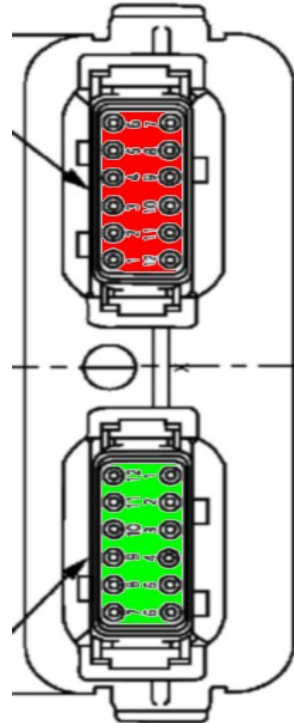
Applications

- Modular networked automotive PLC
- Remote motor and solenoid controllers



9000 Series MultiPLC Connections

RIGHT TOP		
PIN	NAME	DESCRIPTION
6	+24V (load)	Supply line to Pin drivers
5	+24V (logic)	Logic supply only
4	RT2A	COM2 RS-485 A LINE
3	RT2B	COM2 RS-485 B LINE or RS-232 TXD
2	M1 PIN 0	PIN DRIVER MODULE 1 – PIN 0
1	M2 PIN 2	PIN DRIVER MODULE 2 – PIN 2
LEFT TOP		
12	M3 PIN 5	
11	M4 PIN 7	
10	M5 PIN 9	
9	M6 PIN 11	
8	M7 PIN 13	
7	M8 PIN 15	



RIGHT BOTTOM		
PIN	NAME	DESCRIPTION
7	COMMON	
8	COMMON	
9	RT1A	COM1 RS-485 A LINE
10	RT1B	COM1 RS-485 B LINE or RS-232 RXD
11	M1 PIN 1	PIN DRIVER MODULE 1 - PIN1
12	M2 PIN 3	PIN DRIVER MODULE 2 – PIN 3
LEFT BOTTOM		
1	M3 PIN 4	
2	M4 PIN 6	
3	M5 PIN 8	
4	M6 PIN 10	
5	M7 PIN 12	
6	M8 PIN 14	



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Specifications

Supply Voltage	+9..+28V
Supply Current	200ma
Physical	120mm x 100mm x 30mm
Weight	300g approx
Case	Thermoplastic
Environment	-55°C to +125°C operating
Standards	IEC 1010; AS/NZS 3548 EMI/EMC; C Tick compliant

Ports

RS-232	110 – 460.8K baud, all formats supported, DB9
RS-485 (2)	110 – 2M baud, all formats supported, Combicon6
X	X
MEMORY	32K bytes EEPROM
XA	X
X	X