

# Modicon 140 CPS 524 00 125 VDC Standalone/Redundant Power Supply Specifications

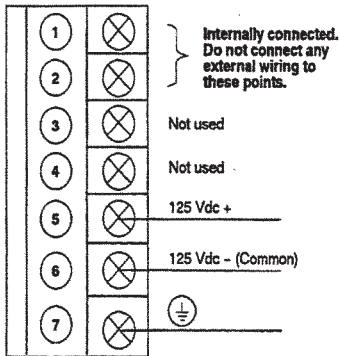
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## 140 CPS 524 00 Specifications

### Specifications

Input Requirements	
Input Voltage	125 Vdc nominal, 100 ... 150 Vdc including ripple
Input Current	0.5 A @ 125 Vdc
Inrush Current	28 A @ 125 Vdc
Input Power Interruption	1.0 ms max
Fusing (external)	2 A slo-blo recommended (Part # 57-0089-000 or equivalent)
Output to Bus	
Voltage	5.1 Vdc
Maximum Current	8 A @ 60°C
Minimum Current	None required
Protection	Over Current, Over Voltage
General	
Internal Power Dissipation	$6.0 + 1.5 \times I_{OUT} = \text{Watts}$ (where $I_{OUT}$ is in Amperes)
Field Wiring Connector (included)	7 point terminal strip (Part # 043506325)
Operating Mode	Standalone / Redundant

## 140 CPS 524 00 Wiring Diagram

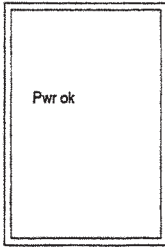


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Quantum Automation Series equipment is protected by U.S. Patent number 5,302,136, and by European Patent number 93202982.0-.

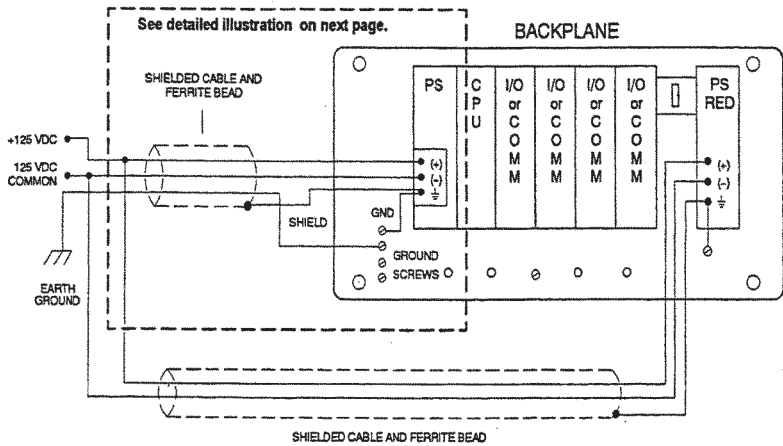


## 140 CPS 524 00 LED Indicators and Descriptions



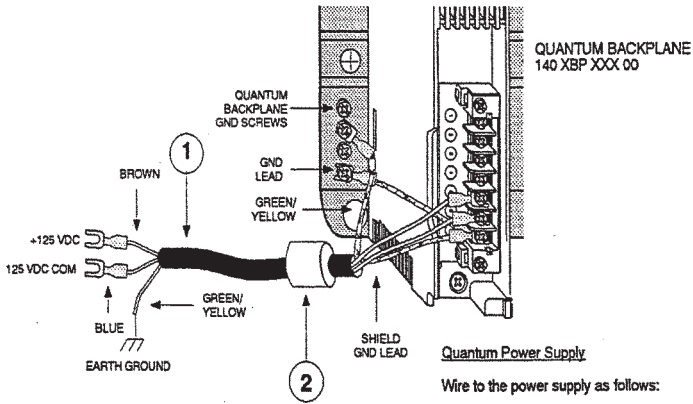
LEDs	Color	Indication when On
Pwr ok	Green	Power is supplied to the bus.

## 125 VDC Powered System for CE Compliance Illustration



**Caution:** To maintain CE compliance with the European Directive on EMC (89/336/EEC), the 140 CPS 524 00 must be installed in accordance with these instructions.

## 125 VDC Powered System for CE Compliance Detailed Installation Illustration



Wire to the power supply as follows:  
 +125 Vdc (Brown wire)  
 125 Vdc COM (Blue wire)  
 GND

Note: Refer to the first page of this document for a wiring diagram of this power supply.

### Parts List

Callout	Vendor (or equivalent)	Part Number	Description	Instruction
①	Oflex - Series 100cy	35005	Line Cord	Terminate the shield at the power supply GND terminal
②	Steward	28 B0686-200	Ferrite Bead	Install next to the filter and secure with tie wraps at both ends of the ferrite bead
	Fair Rite	2643665702		



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For complete information concerning this and other modules, please obtain a copy of the *Quantum Automation Series Hardware Reference Guide* (840 USE 100 00) from your distributor or local sales office.

