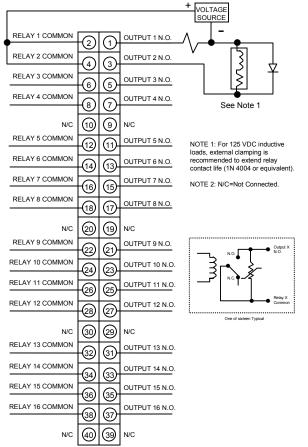
MODICON® QUANTUM™ 140DRA84000 RELAY OUTPUT MODULE



Wiring examples (refer to user guide for important safety information):



Removable terminal strip is ordered separately.

140XTS00200 Standard, Screw Type, 40 points

Optional rack accessories are ordered separately.

140XCP50000 Dummy module without terminal block 140XCP51000 Dummy module with cover

General Description

The Quantum 140DRA84000 RELAY Output Module provides (16x1) Normally Open Relay outputs.

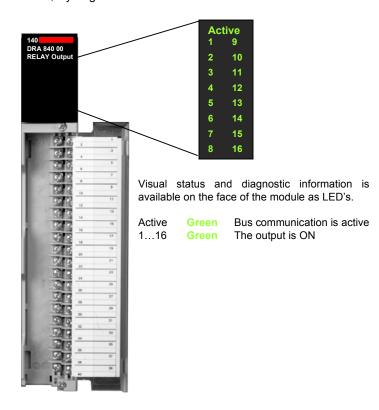
A Quantum removable terminal strip allows for easy maintenance.

Quantum backplanes (ordered separately) come in 2,3,4,6,10, and 16 slot versions. Any Quantum module can be used in any slot. A Quantum power supply is required in each rack. The power supply provides logic power to all modules on the bus.

All Quantum I/O modules are optically isolated from the bus, ensuring safe and trouble-free operation.

Optionally, you can insert mechanical keys between the I/O module and the terminal strip to ensure that the field wiring and the module type are properly matched. Key codes are unique for each module type. Key kits are shipped with each I/O module.

As an option, modules can be ordered with a conformal coating applied to protect the internal circuitry from corrosive gases such as Chlorine, Nitric Oxide, Hydrogen Sulfide and Sulfur Dioxide.







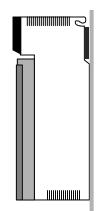
Specifications

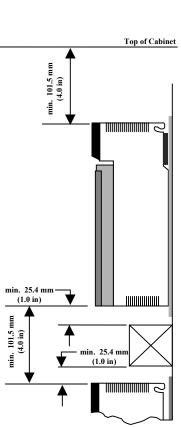
Module Type

Working Voltage

Maximum Load Current

Each point





	Each point (30 150 VDC)	300 mA (resistive load) 100 mA (L/R = 10 msec)
	Minimum Load Current Each point (30150 VDC)	50mA (Minimum load current if contact is used at rated loads of 5 150 VDC or 20 250 VAC) Derated to 0.5 A per point
ا	Mechanical Operations	10,000,000
ĺ	Electrical Operations	200,000 (resistive load @ max voltage and current)
	Electrical Operations (30 to 150 VDC)	100,000 (300 mA resistive load) 50,000 (500 mA resistive load) 100,000 (100 mA L/R = 10 ms)
	Relay Type	Form A
	Maximum surge current (per point)	10 A capacitive load @ τ = 10 ms
	Switching Capability	500 VA resistive load
	Response Time (resistive loads)	10 ms (max) OFF to ON, 20 ms (max) ON to OFF
	Off State Leakage	< 100 μΑ
	Bus current required	1100 mA (max)
	Channel to Channel Isolation	1780 VAC rms for 1 minute
	Channel to Bus Isolation	1780 VAC rms for 1 minute; 2500 VDC for 1 minute
	Storage Temperature	-40 +85 degrees C (-40 185 degrees F)
	Power Dissipation	5.5 W + (# of inputs ON X 0.5 W)
	Operating Temperature	0 60 degrees C (32 140 degrees F)
	Relative Humidity	0 95% Non-condensing @ 60 degrees C
	Weight	2.0 lb (1 kg) Maximum
	RFI Immunity	80 1000 MHz, 10 V/m (meets IEC 1000-4-3)
	Ground Continuity	2 kV shield to ground

16 Normally Open RELAY pairs

1 A Tungsten lamp load 1 A @ a power factor of 0.4 1/8 hp @ 125/250 VAC

20...250VAC; 5...30VDC; 30....150VDC (reduced load)

2 A max at 250VAC or 30VDC @ 60 C ambient, resist load

Schneider Electric USA
One High Street
North Andover, MA 01845-2699
1-800-468-5342
For detailed technical documentation visit:
www.us.telemecanique.com

This document, and the information contained herein, is to be used exclusively by system integrators and consulting engineers for the sole purpose of specifying Schneider Electric products or for submitting related documentation in support of engineering project proposals. This information is not intended for use in system design, implementation or installation. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

1 Output word

8 kV air/4kV contact (meets IEC 1000-4-2)

UL 508, CSA 22.2-142, CE, FM Class 1 Div 2

Concept™, ProWORX®, Unity™, ProWORX® 32™

© 2004 Schneider Electric All Rights Reserved

Electrostatic Discharge

Agency Approvals

Software Support

IO Map

