

# Allen-Bradley Service Manual

1790D-T0W6

## 1. Description

6 Relay Output Base Module (1790D-T0W6)

## 3. Product Information

6 Relay Output Base Module (1790D-T0W6)

Attribute Value

Relay type Form A, normally open

Single pole, single throw

Output voltage range (load dependent)

5...24V dc @ 2.0 A resistive

30V ac @ 2.0 A resistive

125V ac @ 2.0 A resistive

250V ac @ 2.0 A resistive

Output current rating (at rated power)

2.0 A @ 5...24V dc resistive

2.0 A @ 30V dc resistive

Load, min 100  $\mu$ A, 100mV dc per input

On-state voltage drop, max 0.5V @ 2.0 A, resistive load, 24V dc

Initial contact resistance 30 M $\Omega$

Expected contact life 300 Kcycles resistive

100 Kcycles inductive

Off-state leakage, max 1.5 mA max

Output delay time Off to On: 10 ms max, On to Off: 10 ms max

Indicators 6 green status

Common type 1 point/1COM

General Specifications

DeviceNet power Supply voltage - 24V dc nom

Voltage range - 11...28.8V dc

Power dissipation - 1.2 W max @ 28.8V dc

Field power Supply voltage - 24V dc nom

Voltage range - 19.2...28.8V dc

Power dissipation - 10 mA @ 28.8V dc per channel

Isolation I/O to logic: photocoupler isolation

Isolation voltage: 1250V ac rms

Wiring Terminal block (M3.0)

- screw torque: 7 lb-in max (use copper or copper-clad aluminum conductors)