



## DC Digital Output Module (T3441A)

control logic by using a contact element (or similar element) with the output point name.

## Maintenance


No periodic maintenance or calibration is required for this module.

Fuses for each output are located within the module. To replace a blown fuse the output module must be removed from the I/O chassis and opened. To open the output module, remove four screws from the side of the module's clamshell. Remove the blown fuse from its retaining clips (on the circuit board) and replace it.

To prevent damage to the module, replacement fuses must be of the same rating and type (see Specifications, below).

To prevent electrostatic damage to sensitive module circuits, maintenance personnel should always use the proper anti-static work areas and grounding straps when handling or working with circuit boards.

## Safety Considerations

**TÜV**  The DC digital output module is TÜV certified as non-interfering, and can be used in a safety system for simple non-safety critical outputs. For safety critical outputs, guarded output modules should be used (model T3461A, T3481 or T3485 are recommended).

## Specifications

<b>Safetybus Power</b>	0.8 load units
<b>Number of Outputs</b>	16 circuits divided into two groups of 8 circuits each
<b>Voltage Range</b>	18 to 30 VDC
<b>Load Current</b>	2 amps maximum per output 0° to 60° C



<b>Minimum Load</b>	0 mA
<b>On State Drop</b>	0.5 volts maximum @ 2 amps
<b>Surge Current</b>	15 amps, 20 msec
<b>Output Leakage</b>	1 mA maximum
<b>Fusing</b>	One 3 A, 250 V, fast-acting (3AG) per output, located inside module
<b>Turn-On Delay</b>	1.0 msec, maximum
<b>Turn-Off Delay</b>	1.0 msec, maximum
<b>Heat Dissipation</b>	16 Watts, 54 BTUs/hour
<b>Over voltage Protection</b>	45 VDC, continuous
<b>Isolation</b>	2500 volts minimum (field wiring to control logic) 2500 volts minimum (output group 1-8 to output group 9-16)
<b>Operating Temperature</b>	0° to 60° C (32° to 140° F)
<b>Storage Temperature</b>	-40° to 85° C (-40° to 185° F)
<b>Operating Humidity</b>	0 to 95% relative humidity, non-condensing
<b>Vibration</b>	
10 to 55 Hz:	±0.15mm
<b>Shock</b>	
Operating:	15 g, ½ sine wave, 11 msec
<b>Electromagnetic Interference</b>	
• IEC 801 Part 2 - Electrostatic Discharges	Level 3: Contact discharge of 6 kV
• IEC 801 Part 3 - Radiated Electromagnetic Fields	Level 3: 10 V/M, 27 MHz - 500 MHz



## DC Digital Output Module (T3441A)

### **Safety**

Certified to DIN V VDE 0801 (non-interfering) and designed to meet UL 508 and CSA 22.2, No. 142-M1981

### **Dimensions**

Height: 12.6" (320 mm)  
Width: 1.27" (32 mm)  
Depth: 10.12" (257 mm)

### **Weight**

3.5 lbs (1.6 kg)