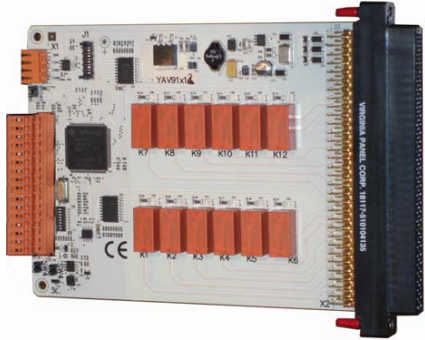


# YAV90PIN

## 12-Channel, 8A SPST Relays board



### Features

- > 12 independent SPST relays
- > 8A switching
- > 300VDC/300VAC CAT II
- > CAN bus controlled
- > Reliable VPC 90 series I/O connector

### Applications

- > Mains voltage switching
- > Loads connection to device under test

### Specifications

#### > Relay characteristics

Number of channels	12
Relay type	SPST, normally open, nonlatching
Maximum switching voltage AC	400V
Maximum switching Current (R load)	8A

#### > Power supply

Operative voltage range	20..29VDC
Max. 24V current requirement	210mA

#### > Physical

I/O connector	VPC TriPaddle, 96 Position, 510104135
Maximum current per VPC contact	5A
Dimensions mm (HxL)	142x187

#### > Environment

Operating temperature	0 to 45 °C
Storage temperature	-20 to 70 °C
Relative humidity	10 to 90% relative humidity, noncondensing

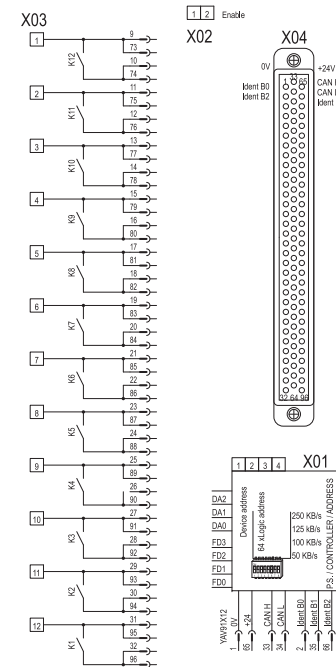
### Overview

The YAV90PIN board covers the need for controlling the power supply to the device under test in ATEs. A VPC 90 series connector is used as interface with the fixture, guaranteeing more than 20.000 mating cycles. Two contacts per relay contact are used.

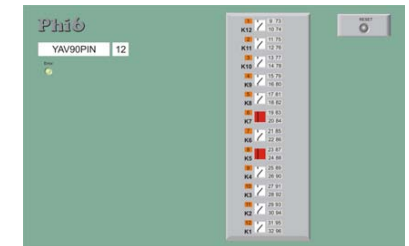
The board features three connectors in the back. X01 connector is to power supply and CAN bus. X02 is to disconnect all the relays when its continuity is interrupted (ENABLE function). This function is managed by the emergency stop, and guarantees a rapid disconnection of all loads and power when emergency button pushed.

Each one of the terminals featured by the X03 connector are connected to the fixture either through a relays or directly. This configuration gives versatility to the designer when connecting the loads or power common wires.

A software virtual panel is available to manage the board in manual mode, debugging the fixture or to integrate the software into the test sequence.



> YAV90PIN Pin Assignment



> YAV90PIN Software Virtual Panel