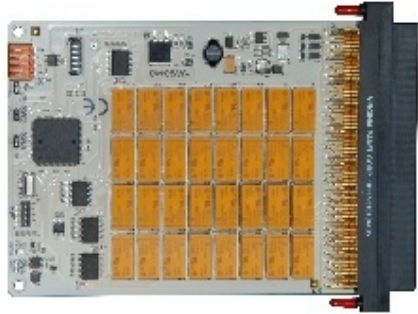


YAV904X8

Two pole 4 x 8 switching matrix



Features

- › Matrix from 4x (1x8) to 1x (4x8) relays
- › 0,5A switching
- › 300VDC/300VAC CAT II
- › CAN bus controlled
- › Reliable VPC 90 series I/O connector

Applications

- › Two pole instruments and loads selection

Specifications

› Relay characteristics

Number of channels	12
Relay type	SPST, normally open, nonlatching
Maximum switching voltage AC/DC	125V
Maximum switching Current (Cos phi=1)	0,5A @ 125VAC
Maximum switching power	62,5VA
Mechanical endurance	15E6 cycles
Electrical endurance	>100.000 operations
Dielectric strength	750VAC, 1min
Contact resistance	<50mOhm
Operate time	7 ms
Release time	3 ms

› Power supply

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

› Physical

I/O connector	VPC TriPaddle, 96 Position, 510104135
Maximum current per VPC contact	5A
PCB tracks rated current	2A
Dimensions mm (HxL)	142x187

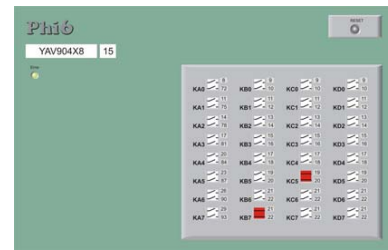
› Environment

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

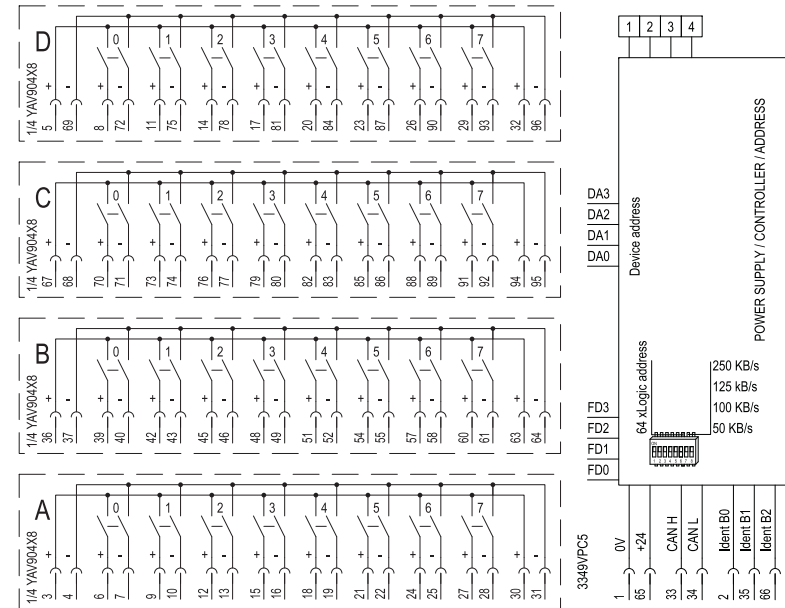
Overview

Isolated measurements (no reference to GND) performed by DMMs (2 or 4 wire) are perfectly solved thanks to the YAV904X8 board, featuring four branches of 8 relays each, that can be joined to configure either a 32 position scanner or a matrix. A 24V input supplies the operating voltages and the current needed by the relays. All relays outputs are isolated from the power supply. The module features 3 contacts for self-ident function (hardware address). In the case these contacts are not used, the board will get the logic address set into the DIP switch.

The board is delivered with its software virtual panel, Lab View compatible, for an easy software integration of the board into the test system.



› YAV904X8 Software Virtual Panel



› YAV904X8 Pin Assignment