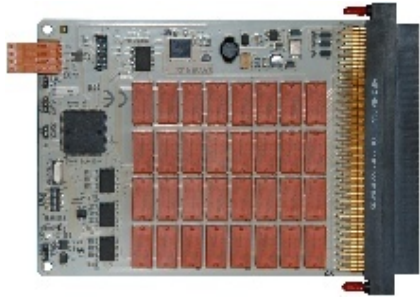


YAV90132

32-channel, 5A SPDT relays board



Features

- > 28 independent relays SPDT + 4 NO with shared common
- > 5A switching
- > 300VDC/300VAC CAT II
- > CAN bus controlled
- > Reliable VPC 90 series I/O connector

Applications

- > Stimulus, load, by-pass, etc. switching

Specifications

> Relay characteristics

Number of channels	32
Relay type	28 SPDT + 4 NO SPST shared common
Maximum switching voltage AC/DC	400V
Maximum switching Current (Cos phi=1)	5A
Maximum braking capacity	1250 VA
Mechanical endurance	15E6 cycles

> Power supply

Operative voltage range	20..29VDC
Max. 24V current requirement	390mA

> 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

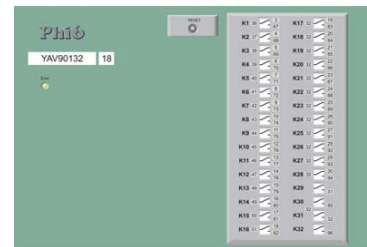
The YAV90132 module features 28 independent relays SPDT and 4 NO relays that are sharing the common:

- > 1x28 relays SPDT
- > 1x4 NO relays with shared common

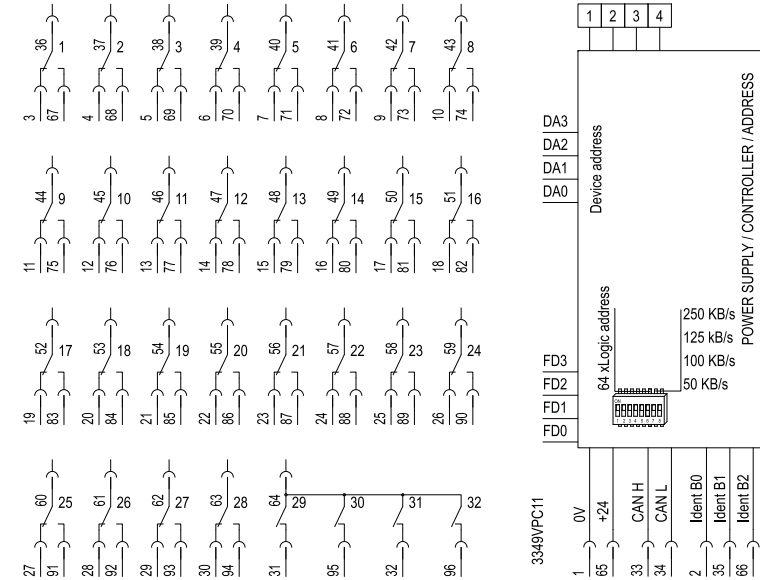
The main application for this module is commutation of signals when a signal can not be injected to the point before removing the previous.

Thanks to the SPDT relay featured by the board, different commutation structures can be designed: either relays branches or matrixes, with a switching current up to 5A. 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.



> YAV90132 Software Virtual Panel



> YAV90132 Pin Assignment