



DESCRIPTION

4007 relay output module provides electrically isolated normally open relay output for buffered control of relays, contactors, lamps etc.

Each of the 8 relay outputs is controlled individually. Separate command provides simultaneous reset of all outputs. The bus-signal RST* resets all outputs.

Internal or external relay power supply is selectable by a module jumper. Provision for using the TTL-outputs, before the relay-driver, is made. The module provides secondary channel selection to simultaneously select other I/O-modules.

A code strip mounted on the I/O-connector protects the module from being plugged with the wrong end into the backplane. The code strip conforms to DIN 41612. It permits the user to code the I/O-cables to be keyed for the right cards.



SPECIFICATIONS

POWER SUPPLY

+5V $\pm 5\%$, 150 mA
+ 12V for internal relay drive.

RELAY

Reed-relay, type: CLARE MRME 15002 or equivalent.
Contact rating: voltage - 100 V max.
current - 0,5A (9W) max.
Life = 5×10^6 operations at signal level.
Response time: less than 2 msec for both ON and OFF.

BUS - CONNECTION

I/O-side of the 4680-bus.

CONNECTORS

64-pin two-row Europe-connector
(DIN 41612) on both the I/O- and bus-side.

SIZE

Standard Europe card, 100 x 160 mm.

BUS PIN NUMBERING

Refer to System Manual.
Note. The bus-connection includes the signal CSS (for secondary card selection).

I/O PIN NUMBERING

Signal	No	1	2	3	4	5	6	7	8
Relay output		1A,2A	3A,4A	5A,6A	7A,8A	9A,10A	11A,12A	13A,14A	15A,16A
TTL output	Pin	21A	22A	23A	24A	25A	26A	27A	28A

External relay drive: Pin 32A

O-V: Pins 29A,30A

I/O - COMMANDS

OUT DATA

Controls an individual relay output signal:
D0 - D2 = Binary address of the relay signal. Signal 1 = 0.
D7 = 1 = Relay switched ON
D7 = 0 = Relay switched OFF
Note. D3 - D6 have no significance.

OUT C3

All relays are switched into the OFF-state.

CARD SELECTION

The card is identified at channel selection, done with the command OUT CS, with a code plug located in position 2D.

JUMPERS

The card is delivered with the internal +12V supply connected to the relays. The customer changes to external supply by removing jumper in position 3A and installing one in position 3D.



