



# MAXIFLEX 64DI Module

Model M1327A 64 Channel 24Vdc Digital Input Module (Positive Common).

## DATASHEET



### FEATURES

- Fits in any MAXIFLEX base I/O slot
- 64 Digital Inputs with positive common (switch to 0V).
- 4 off 20 way Ribbon Header connectors
- Hot Plug-in
- In system automatic module detection

The M1327 64DI module provides 64 digital inputs. The input circuitry is powered externally from 24Vdc. The module may be inserted into any I/O slot in a Maxiflex system.

All inputs are opto-isolated from the system logic. Inputs are connected via four twenty-way insulation displacement ribbon cable headers. These ribbon headers are compatible with the recommended C6320

DIN-rail mounted Termination Board as well as other OMNIFLEX products equipped with the OMNIFLEX standard ribbon header pinout such as the Omni16 annunciators and displays.

The module can be inserted or removed while the system is powered.

Auto-detection capability allows the CPU to recognise the presence of this module in the system.

## SPECIFICATIONS

### Inputs

Number	64 Digital (On/Off)
Type	Positive Common (switch to 0V)
Isolation	100% tested to 1500Vac, 50/60Hz for 1 minute - all inputs to logic
Insulation Resistance	1000M $\Omega$ min. at 500Vdc
Input Response time	5 milliseconds typical
Indication	Green module OK LED. (Individual channel indication on C6320 Termination Board.)
External Supply Voltage and input voltage range	18-30Vdc
'On' current per input	3.5mA at 24Vdc
Input voltage for Input Off	2Vmax
Input voltage for Input On	8Vmin

### Input Termination

Type	Four 20 way 1.27mm pitch insulation displacement ribbon cable headers
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### Environmental

Operating Temperature	-25°C to +60°C (-13°F to +140°F)
Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Humidity	95% max. at 40°C (104°F) non-condensing.
Protection	Electronics conformally coated

### Power Consumption

From Logic Power Supply	80mA from 5Vdc supply max.
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	0mA from 12Vdc supply
From +24Vdc Power Supply	300 mA max with all inputs on

### Mass

Excluding Packaging	260g (9.2oz)
Including Packaging	350g (12.3oz)

### Ordering Information

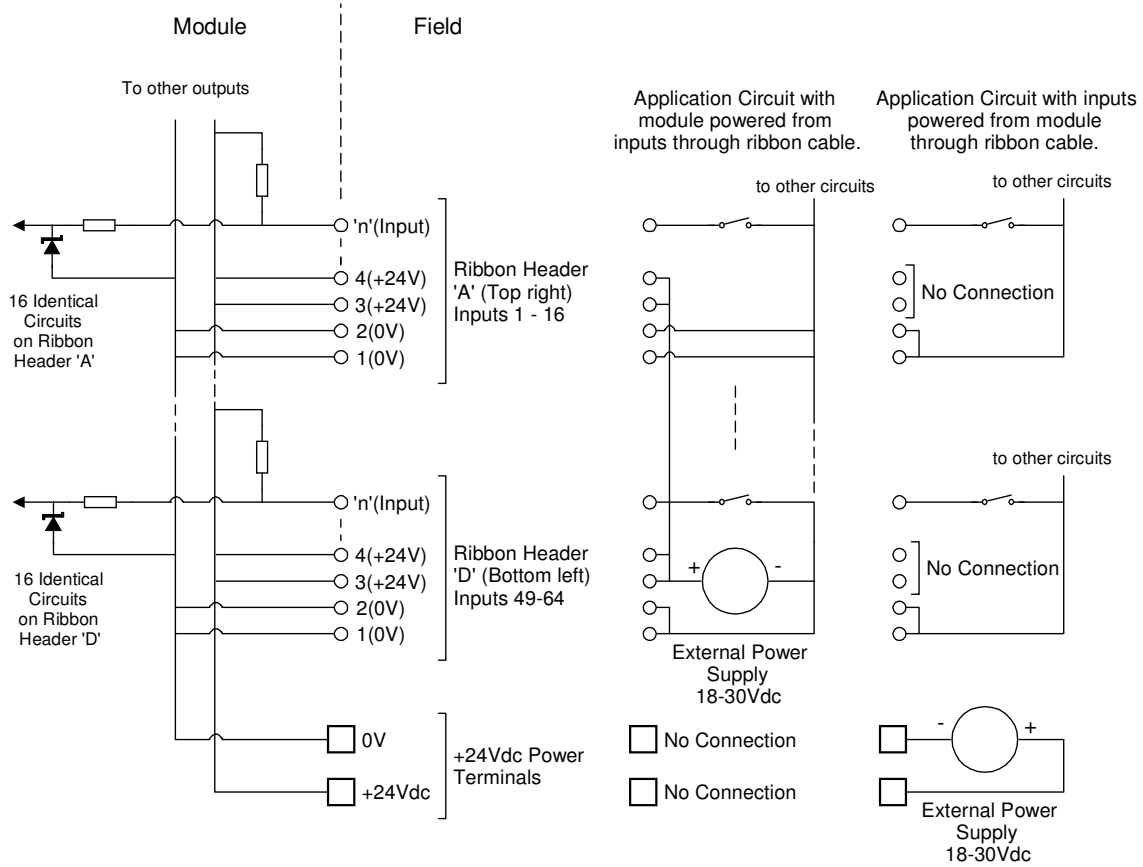
Model Name	Order Code
Maxiflex 64DI Module	M1327A



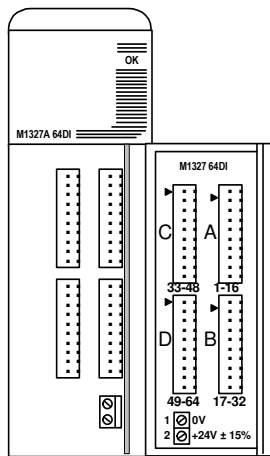
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## ELECTRICAL CONNECTIONS

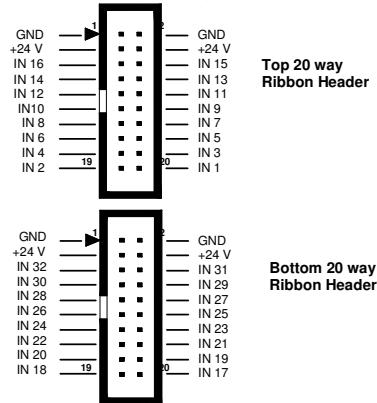


## MODULE LAYOUT



## RIBBON CABLE HEADER PINOUT

### Ribbon Header Pinouts (A and B shown)



Pin No.	Header A (C) Description	Header B (D) Description
1	0 Volts	0 Volts
2	0 Volts	0 Volts
3	24 Volts	24 Volts
4	24 Volts	24 Volts
5	Input 16 (48)	Input 32 (64)
6	Input 15 (47)	Input 31 (63)
7	Input 14 (46)	Input 30 (62)
8	Input 13 (45)	Input 29 (61)
9	Input 12 (44)	Input 28 (60)
10	Input 11 (43)	Input 27 (59)
11	Input 10 (42)	Input 26 (58)
12	Input 9 (41)	Input 25 (57)
13	Input 8 (40)	Input 24 (56)
14	Input 7 (39)	Input 23 (55)
15	Input 6 (38)	Input 22 (54)
16	Input 5 (37)	Input 21 (53)
17	Input 4 (36)	Input 20 (52)
18	Input 3 (35)	Input 19 (51)
19	Input 2 (34)	Input 18 (50)
20	Input 1 (33)	Input 17 (49)