



INSTALLATION GUIDE

20 Way Ribbon to Terminals Boards

Model No. C6320B-1, C6320B-2, C6321B, C6322A

The C632x Ribbon to Terminal adapter boards are terminal boards designed for termination field wiring from input contacts and converting them to standard Omniflex Ribbon input for maximum input density.

The circuits are not isolated with the exception of C6322A and are typically used with potential free contact inputs and positive common.

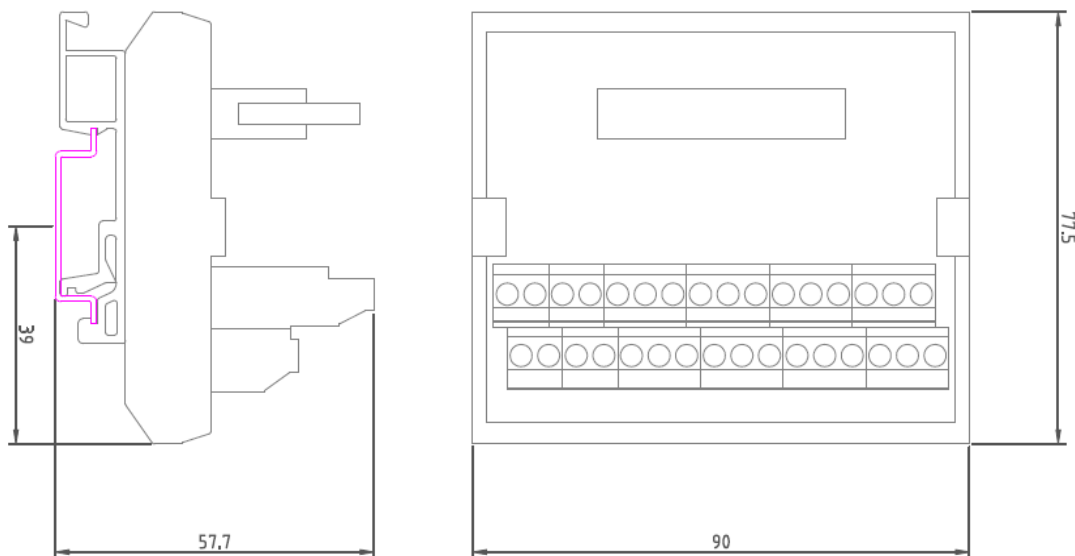
Terminals for the connection of DC power are provided.

The C632X terminal boards are fitted onto a quick mount plastic rail for DIN-rail mounting in control panels.

FEATURES

- 16 terminal input/output pairs
- Positive or Negative Common
- compact size
- DIN Rail (mounting)

MECHANICAL DETAILS



Product Specifications

	C6320B-1 (+24Vcom)	C6320B-2 (0V com)	C6321B (+24V com)	C6322A (0V com)
Voltage at COM Terminals (17-33)	+24V	0V	+24V	0V
Typical Application	Provides OC outputs on Terminals	Interfaces contacts to 0V or OC outputs to ribbon inputs	Interfaces contacts to V+ to ribbon inputs	Interfaces ribbon output to isolated terminals
Compatible Products	M1342A,C1480B, C1479B,C1182A, C1426	M1326A, C1486A, C167X , C1174		M1342, C1680

Inputs

Quantity & Type	16 potential free contacts		20-way ribbon
Open Circuit Voltage	28Vdc maximum		
Wire Size	2.5mm ² / 12AWG (max)		N/A
Closed Circuit Current	9mA maximum		
Isolation	Not Isolated		Isolated
LED Indication	ON when output low	On when contact closed	On when input low

Output

Quantity & Type	1 x 20 way ribbon (standard Omniflex pinout)	Terminals/2.5mm ²
Maximum Voltage	28Vdc	
Maximum Current	65mA/output	250mA/output

Power Supply Requirements

Input Voltage	28Vdc	N/A
Input Current	0.14A maximum	N/A

Temperature Range

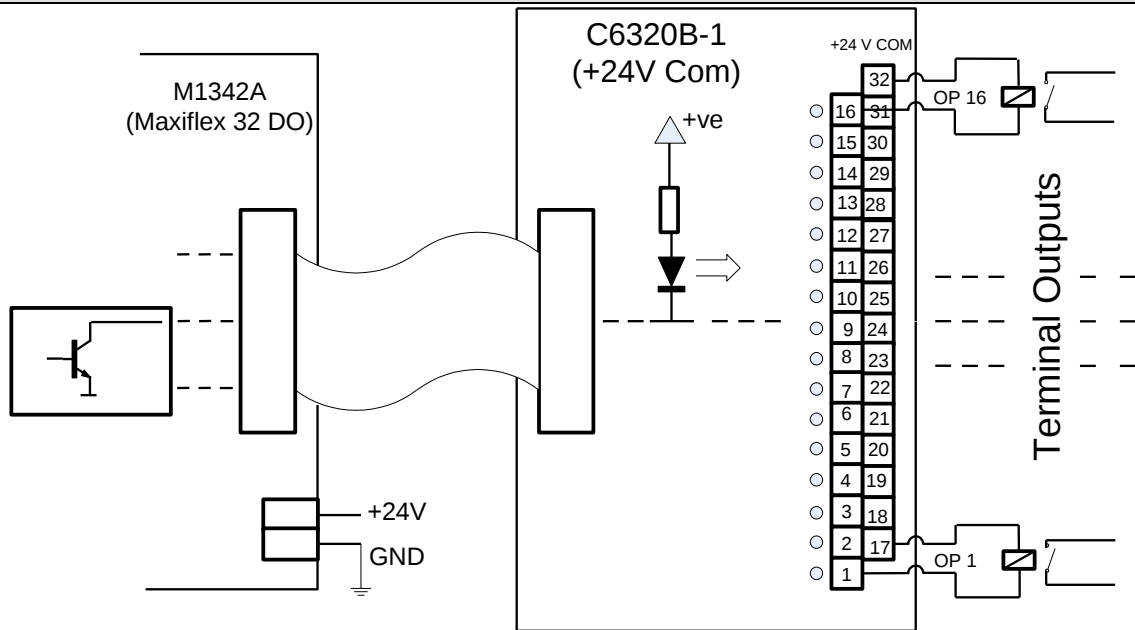
Operating Temperature	0°C – 60°C (+32F – 140F)
Storage Temperature	-10°C – 70°C (+14F – 158F)

Mechanical Details

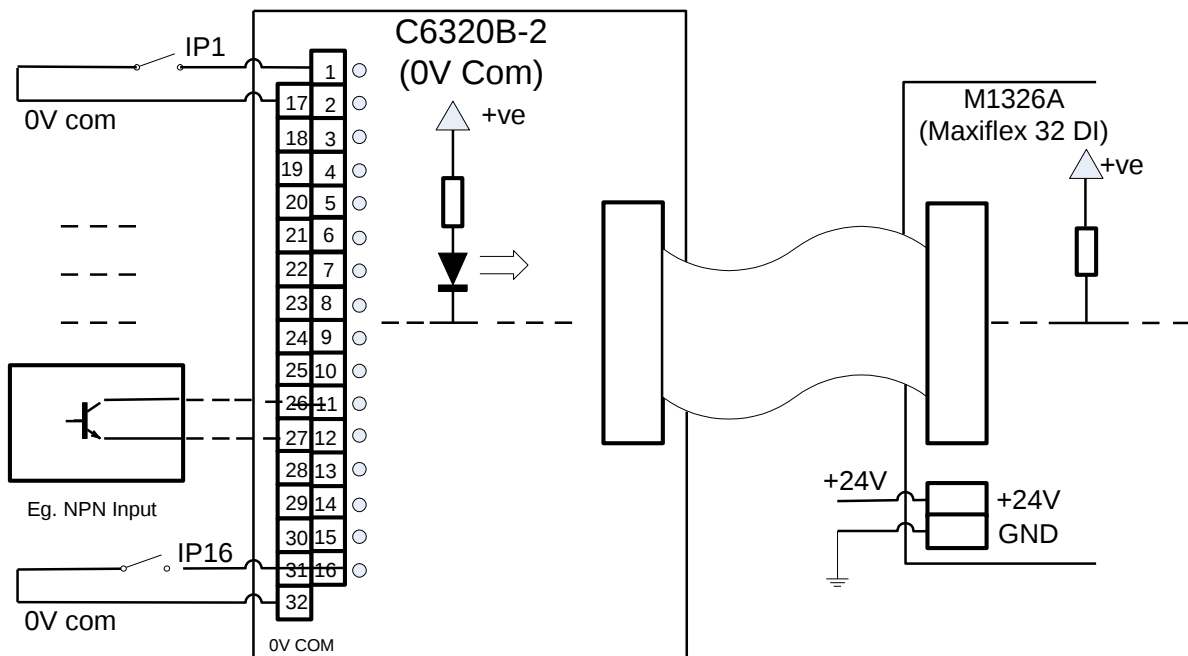
Weight	Approx 160g
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APPLICATION EXAMPLES

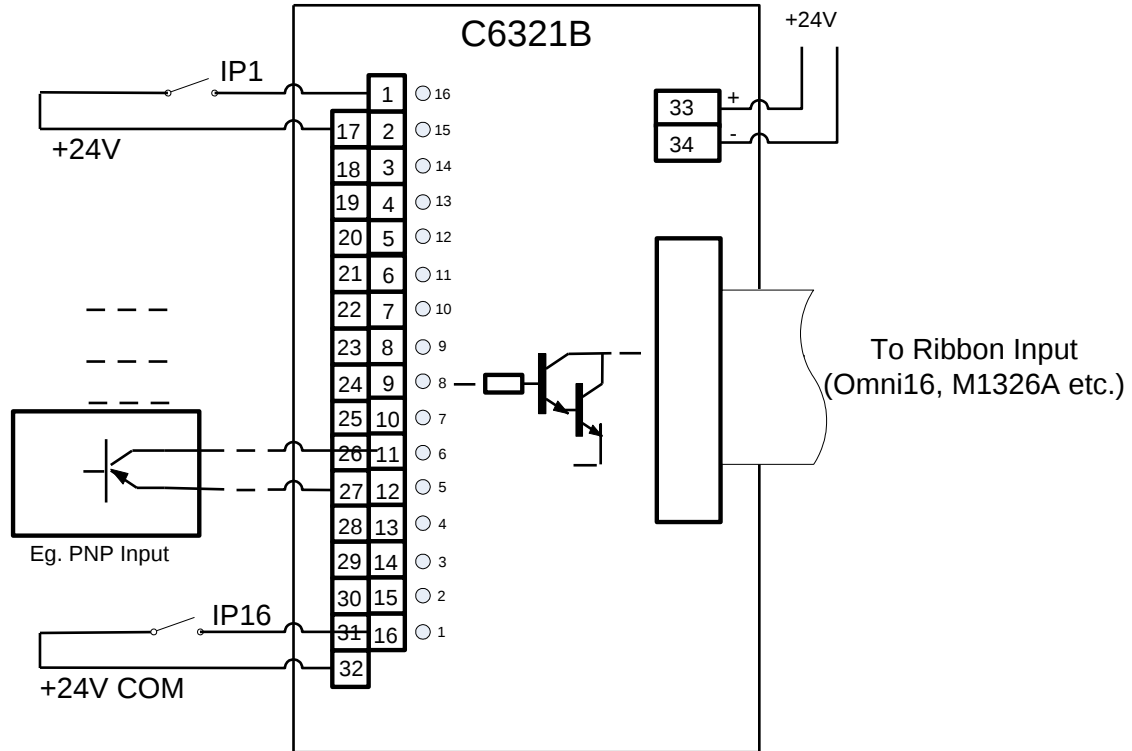
Example 1 : Connecting C6320B-1 : Ribbon Inputs to Terminal Outputs



Example 2 : Connecting C6320B-2 : Terminal Inputs to Ribbon Outputs



Example 3 : Connecting C6321B (com -ve)



Example 4 : Connecting C6322A : Ribbon Inputs to Isolated Terminal Outputs

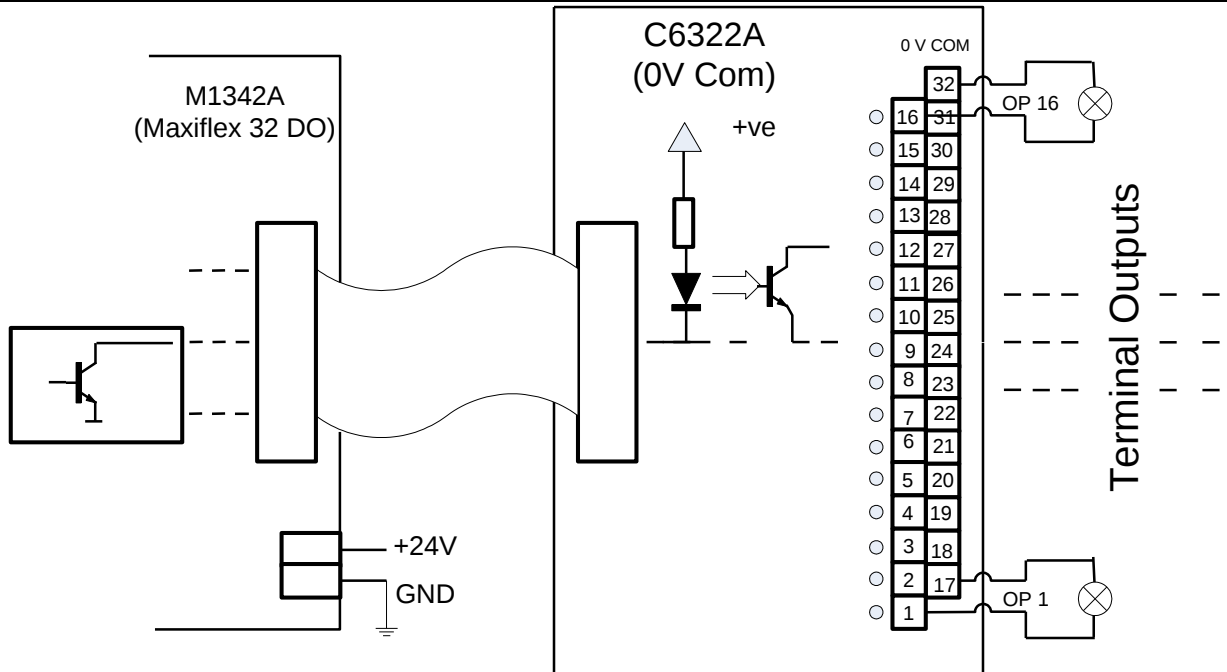


Table 1 : Terminal Number Allocation

I/O No.	C6320B-x		C6321B/C6322A	
	I/O Terminal No	Common Terminal	I/O Terminal No	Common Terminal
1	01	17	01	17
2	02	18	02	18
3	03	19	03	19
4	04	20	04	20
5	05	21	05	21
6	06	22	06	22
7	07	23	07	23
8	08	24	08	24
9	09	25	09	25
10	10	26	10	26
11	11	27	11	27
12	12	28	12	28
13	13	29	13	29
14	14	30	14	30
15	15	31	15	31
16	16	32	16	32