16 or 32

Form A (SPST)

200VDC (DC or peak AC)

1A (max) (DC or peak AC)

0.15 Ohm (Static); 0.2 Ohm (Dynamic)

< 10kHz (Computer and software dependent)

320 VDC (min) (Across Contacts) 4200 VDC (min) (Contact to Coil)

1A (Pulse 300mS, 2% Cycle)

High: 2.0V (min), 5.3V max

Low: 0.0V (min), 0.8V (max)

20mA (open collector outputs)

16 Digital Inputs, 16 Digital Outputs

1.25A (DC or peak AC)

20W (max)

0.5mS

0.1mS

Logic 0 Logic 1

450Vrms

50V

30mA

20MHz

DB37 Female

0°C to 70°C

450mA typ

IDC40 Header #1

IDC40 Header #2

182 mm x 9 9mm

200mA (external loads)

200mA (external loads)

Specifications Reed Relay Characteristics Number of channels

Contact Form:

Rated Power:

Carry Current:

Switching Voltage:

Switching Current:

Contact Resistance:

Breakdown Voltage:

Switching Time:

Release Time:

OV to 3V

Peak:

3.1V to 24V:

Relay Contact Data

Number of Inputs:

Logic Levels:

Isolation Voltage

Frequency Response:

Maximum Reverse Voltage:

Max forward current [LED]:

No of TTL I/O lines:

Digital Logic Levels:

Current Output:

8255 PPI Support:

External Interface

Operating Temp:

Board Dimensions

Frequency Response:

1-16 channels Reed Relay:

17-32 channels Reed Relay:

Input Current: Continuous:









DESCRIPTION

The PCI-763 is a reed-relay board for the control of 16 or 32 external devices. An external signal-conditioned optically-isolated interrupt line is also provided for automatic relay shutdown/startup. 16 Channels of Digital Inputs and 16 Channels of Digital Outputs allow for monitoring and/or driving TTL compatible loads.

FEATURES

- 16 or 32 channel SPST Reed-Relay Contacts
 - 4200V (max.) Isolation Voltage
 - Relay switching speed up to 0.5mS
 - Load switching up to 20W
- Optically isolated input trigger line
- 16 Digital Output & 16 Digital Input lines
- Windows98/ME/2000/XP OS Support (NT on request)
- Linux OS Support
- Labview, Testpoint and VEE Pro Drivers
- PCI-bus revision 2.2 compliant

Ordering Information

Supplied with EDR Enhanced Software and Internal Cable for Digital I/O and		
Relays (17-32) (converts from IDC40 to DB37)	
PCI-763-16	16 Channel PCI Reed Relay Board with 16 Digital I/O Lines	
PCI-763-32	32 Channel PCI Reed Relay Board with 16 Digital I/O Lines	



Supplied with Internal Cable for Digital I/O (IDC40 to DB37)

DB-3	7N	l (Ir	nternal)
DI1	20	1	D I 0
DI3	21	2	DI2
DI5	22	3	DI4
DI7	23	4	D I 6
D I 9	24	5	DI8
DI11	25	6	DI10
D I 13	26	7	DI12
D I 15	27	8	DI14
DGND	28	9	DGND
DO1	29	10	DO0
DO3	30	11	DO2
DO5	31	12	DO4
DO7	32	13	DO6
DO9	33	14	DO8
DO11	34	15	DO10
DO13	35	16	DO12
DO15	36	17	DO14
DGND	37	18	DGND
		19	+5V

IC	c-	40	м
D I 0	1	2	DI1
D 1 2	3	4	DI3
D I 4	5	6	DI5
D l 6	7	8	DI7
D 1 8	9	10	D I 9
D I 10	11	12	D I 11
DI12	13	14	DI13
D I 14	15	16	DI15
DGND	17	18	DGND
DO0	19	20	DO1
DO2	21	22	DO3
DO4	23	24	DO5
DO6	25	26	DO7
DO8	27	28	DO9
DO10	29	30	DO11
DO12	31	32	DO13
DO14	33	34	DO15
DGND	35	36	DGND
+5V	37	38	DGND
DGND	39	40	+5V

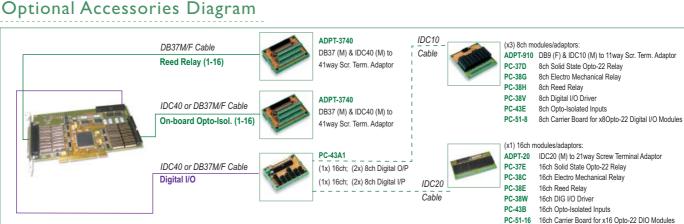
C-	40	M
1	2	DI1
3	4	DI3
5	6	DI5
7	8	DI7
9	10	DI9
11	12	D I 11
13	14	D I 13
15	16	D I 15
17	18	DGND
19	20	DO1
21	22	DO3
23	24	DO5
25	26	DO7
27	28	DO9
29	30	DO11
31	32	DO13
33	34	DO15
35	36	DGND
37	38	DGND
39	40	+5V

DGND	37	19	EXT INT RE
+5V	36	18	EXT INT
RELAY15 RET	35	17	RELAY7
RELAY15	34	16	RELAY7 RET
RELAY14 RET	33	15	RELAY6
RELAY14	32	14	RELAY6 RET
RELAY13 RET	31	13	RELAY5
RELAY13	30	12	RELAY5 RET
RELAY12 RET	29	11	RELAY4
RELAY12	28	10	RELAY4 RET
RELAY11 RET	27	9	RELAY3
RELAY11	26	8	RELAY3 RET
RELAY10 RET	25	7	RELAY2
RELAY10	24	6	RELAY2 RET
RELAY9 RET	23	5	RELAY1
RELAY9	22	4	RELAY1 RET
RELAY8 RET	21	3	RELAY0
RELAY8	20	2	RELAY0 RE1
		1	+12V
		_	

DB-37F (Relay 0-15)

DGND 37 19 DGND 36 18 DGND RELAY30 RET 34 17 RELAY30 RET 34 17 RELAY30 RET 34 17 RELAY30 RET 34 18 RELAY30 RET 34 18 RELAY30 RET 34 18 RELAY30 RET 34 19 RELAY30 RET 30 12 RELAY28 RET 30 12 RELAY28 RET 30 12 RELAY26 RET 30 11 RELAY26 RET 37 9 RELAY27 RET 37 9 RELAY27 RET 37 9 RELAY20 RET 37 19 RELAY20 RET 31 5 RELAY20 RET 31 5 RELAY30 RET 31 5 RELAY31 8 RET 31 5 RELAY31 8 RELAY31 RET 31 5	DB-37F (Relay 16-31)			
RELAY23 RET 27 9 RELAY24 RELAY24 8 8 RELAY24 RELAY27 RELAY27 RELAY27 RELAY28 6 RELAY27 RELAY28 7 8 RELAY28 RELAY28 8 RELAY28 8 RELAY28 8 RELAY28 8 RELAY28 8 RELAY38 REL	DGND DGND RELAY31 RET RELAY30 RET RELAY28 RET RELAY27 RET RELAY27 RET RELAY26 RET RELAY25 RET	37 36 35 34 33 32 31 30 29	19 18 17 16 15 14 13 12	+5V DGND DGND RELAY31 RELAY30 RELAY29 RELAY28 RELAY27 RELAY26
RELAY22 RET 26 8 RELAY23 RELAY21 RET 25 7 RELAY22 RELAY20 RET 24 6 RELAY21 RELAY19 RET 23 5 RELAY20 RELAY18 RET 22 4 RELAY19 RELAY17 RET 21 3 RELAY18 RELAY16 RET 20 2 RELAY18	RELAY24 RET	28	10	RELAY25
RELAY20 RET 24 6 RELAY21 RELAY19 RET 23 5 RELAY20 RELAY18 RET 22 4 RELAY17 RET 21 3 RELAY18 RELAY16 RET 20 2 RELAY17	RELAY22 RET	26		RELAY23
RELAY18 RET 22 4 RELAY19 RELAY17 RET 21 3 RELAY18 RELAY16 RET 20 2 RELAY17			6	
RELAY17 RET 21 3 RELAY18 RELAY16 RET 20 2 RELAY17				
RELAY16 RET 20 2 RELAY17				
1 RELAY16				RELAY17
			1	RELAY16
				1

ID	C-	40	М
RELAY16	1	2	RELAY16 RET
RELAY17	3	4	RELAY17 RET
RELAY18	5	6	RELAY18 RET
RELAY19	7	8	RELAY19 RET
RELAY20	9	10	RELAY20 RET
RELAY21	11	12	RELAY21 RET
RELAY22	13	14	RELAY22 RET
RELAY23	15	16	RELAY23 RET
RELAY24	17	18	RELAY24 RET
RELAY25	19	20	RELAY25 RET
RELAY26	21	22	RELAY26 RET
RELAY27	23	24	RELAY27 RET
RELAY28	25	26	RELAY28 RET
RELAY29	27	28	RELAY29 RET
RELAY30	29	30	RELAY30 RET
RELAY31	31	32	RELAY31 RET
DGND	33	34	DGND
DGND	35	36	DGND
+5V	37	38	DGND
DGND	39	40	+5V



+5V: +12V Optional Accessories

ADPT-3740	DB37 (M) & IDC40 (M) to 41way Screw Terminal Adaptor
DB37M/F	DB37 (M) to DB37 (F) Screened Cable
IDC40	40way Ribbon Cable