HSL HSL-DI32-UD 32-CH Discrete Input Module for HSL System

Pin Definitions

P1:

No.	Name	I/O	Function	No.	Name	I/O	Function
0	DI0	I	Discrete Input Channel 0	8	DI8	I	Discrete Input Channel 8
1	DI1	I	Discrete Input Channel 1	9	DI9	I	Discrete Input Channel 9
2	DI2	I	Discrete Input Channel 2	10	DI10	I	Discrete Input Channel 10
3	DI3	I	Discrete Input Channel 3	11	DI11	I	Discrete Input Channel 11
4	DI4	I	Discrete Input Channel 4	12	DI12	I	Discrete Input Channel 12
5	DI5	I	Discrete Input Channel 5	13	DI13	I	Discrete Input Channel 13
6	DI6	I	Discrete Input Channel 6	14	DI14	I	Discrete Input Channel 14
7	DI7	I	Discrete Input Channel 7	15	DI15	I	Discrete Input Channel 15
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power

P2：

No.	Name	I/O	Function	No.	Name	I/O	Function
16	DI16	I	Discrete Input Channel 16	24	DI24	I	Discrete Input Channel 24
17	DI17	I	Discrete Input Channel 17	25	DI25	I	Discrete Input Channel 25
18	DI18	I	Discrete Input Channel 18	26	DI26	I	Discrete Input Channel 26
19	DI19	I	Discrete Input Channel 19	27	DI27	I	Discrete Input Channel 27
20	DI20	I	Discrete Input Channel 20	28	DI28	I	Discrete Input Channel 28
21	DI21	I	Discrete Input Channel 21	29	DI29	I	Discrete Input Channel 29
22	DI22	I	Discrete Input Channel 22	30	DI30	I	Discrete Input Channel 30
23	DI23	I	Discrete Input Channel 23	31	DI31	I	Discrete Input Channel 31
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power
G	EX_GND	--	External Power Ground	V+	EX +24 V	--	External Power

RJ1-RJ2:

No.	Name	Function
1	NA	NA
2	NA	NA
3	TX+	RS-422/485 Transmission Line, Positive
4	RX-	RS-422/485 Receiving Line, Negative
5	RX+	RS-422/485 Receiving Line, Positive
6	TX-	RS-422/485 Transmission Line, Negative
7	NA	NA
8	NA	NA

POWER1:

No.	Name	I/O	Function
1	EX +24V	I	External Power Supply Input (+24V DC+5%)
2	EX +24V	I	External Power Supply Input (+24V DC+5%)
3	EX_GND	--	External Power Supply Ground
4	EX_GND	--	External Power Supply Ground
5	F_GND	--	Shielding Ground

JUMPER

JP1(When Reset)	
1-2	Clear Data (Default)
2-3	Keep Data

JP2: Input Mode	
1-2	NPN (Default)
2-3	PNP

JP3: Terminator Resistor	
1-3 2-4	ON
3-5 4-6	OFF (Default)

JP4	
1-3 2-4	Full Duplex (Default)
3-5 4-6	Half Duplex

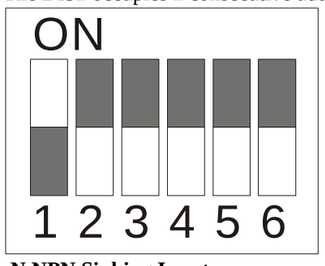
JP5	
1-2	3M
3-4	6M (Default)
5-6	12M

Specifications

Discrete Input						
Model	Number	Type	Input Current max.	Input Impedance	Operating Voltage with +24 V_{DC}	
					ON	OFF
-N	32	NPN Sinking or Dry Contact	-10 mA	4.7 kΩ	11.4 V_{DC} max.	14.3 V_{DC} min.
-P		PNP Sourcing or Wet Contact	+10 mA		12.6 V_{DC} min.	9.8 V_{DC} max.

DIP Switch Setting

The DI32 occupies 2 consecutive address allocations starting from odd (switch bit **1** set to **ON)**.

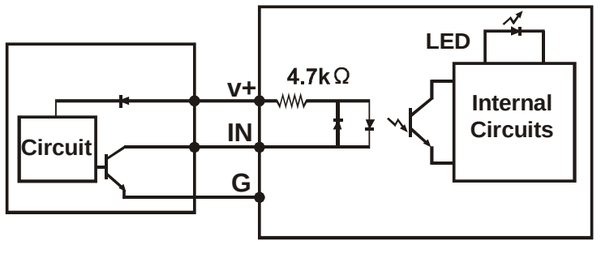


ON = 1

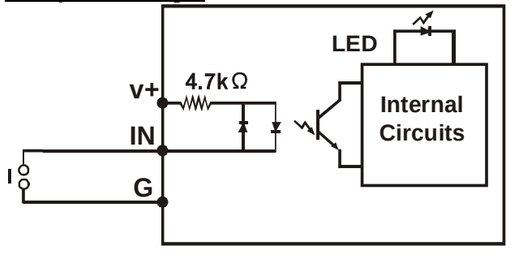
100000	address 1, 2
110000	address 3, 4
…	…
110111	address 59, 60
101111	address 61, 62

OFF = 0

-N NPN Sinking Input



-N Dry Contact Input



Ordering Information

HSL-DI32-UD-N: 32-CH Discrete NPN Sinking Input Module
HSL-DI32-UD-P: 32-CH Discrete PNP Sourcing Input Module

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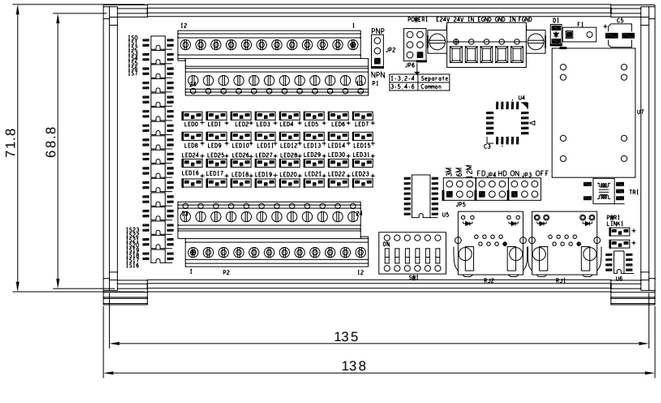
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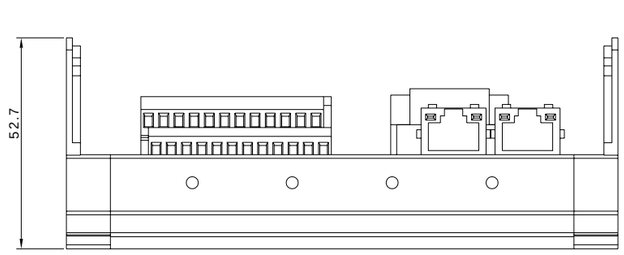
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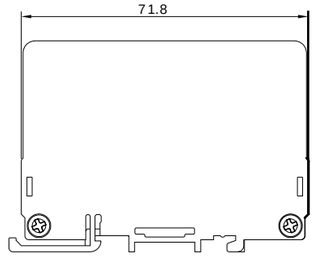
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Dimension

UD Daughter Board with case (138x71.8x52.7 mm)







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