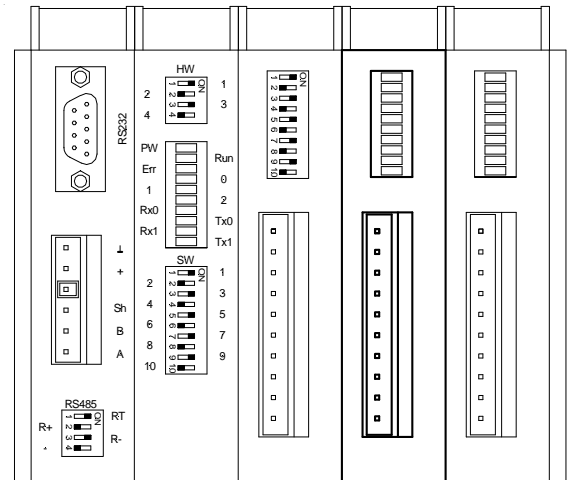


AD-DI8A

8 digital inputs 24 V AC/DC

- 8 galvanically separated inputs 24 V AC/DC
- Common GND terminal for all module signals
- Input state indication by green LED
- Digital inputs could be used for either AC or DC signal, evaluation depends on application
- Self-stacking connection to the AD-CPU167 unit, 35 mm DIN rail mounting



TECHNICAL DATA

Inputs	8
Common lead	GND
Galvanic separation	Yes *)
Input voltage	Logical 0 min. -30 V, max. 5 V Logical 1 min. 16 V, max. 30 V
Max. input voltage (1 s)	50 V
Overvoltage protection	600 W / 1ms
Input current	6 mA at 24 V
Transmission delay	Log. 0 → Log. 1 max. 100 μs Log. 1 → Log. 0 max. 70 μs
Power supply	Internal
Max. internal source consumption	10 mA at 24 V DC
Others	
Max. number of modules	16
Module position in system	No limitation
Signal connection	WAGO 231 cage clamp connectors, code protection against mistaking
Cover protection rate	IP20
AD-DI8A operating temperature	0 to 70 °C
AD-DI8A/I operating temperature	-40 to 70 °C
Max. ambient humidity	< 95 % non-condensing
Mounting	35 mm DIN rail
Weight	200 g
Dimensions (w x h x d)	25 x 104 x 96 mm

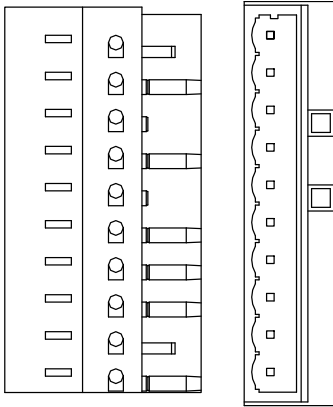
*) Insulation strength 500 V AC / 1 minute, galvanic insulation may not be used for safe and unsafe parts separation.

ORDERING INFORMATION

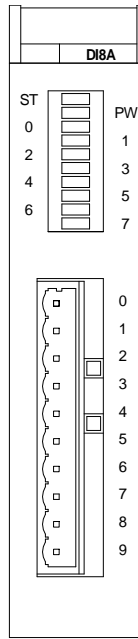
AD-DI8A	8 digital inputs 24 V AC/DC module, WAGO231-310 connector, data sheet, warranty card
AD-DI8A/I	8 digital inputs 24 V AC/DC module with temperature range -40 to 70 °C, WAGO231-310 connector, data sheet, warranty card

MODULE DESCRIPTION AND SIGNAL ASSIGNMENT

CONNECTOR CODING

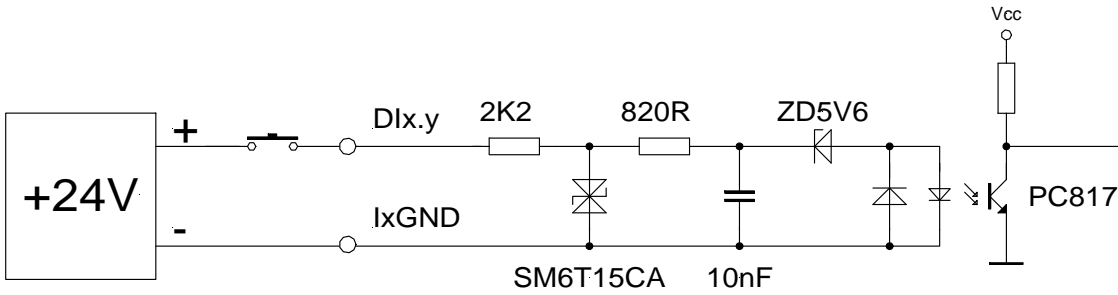


Strobe	ST	ST	PW	PW	Power supply
Input 0	I0	0	1	I1	Input 1
Input 2	I2	2	3	I3	Input 3
Input 4	I4	4	5	I5	Input 5
Input 6	I6	6	7	I7	Input 7



0	-	Not connected
1	I0	Input 0
2	I1	Input 1
3	I2	Input 2
4	I3	Input 3
5	I4	Input 4
6	I5	Input 5
7	I6	Input 6
8	I7	Input 7
9	GND	Ext. GND

INPUT CIRCUIT WIRING



MODULE WIRING EXAMPLE

