

IO-16DI

Distributed I/O:s



IO module for expanding Regin's programmable controllers EXOflex, EXOcompact and EXOdos.

- ✓ Simple wiring
- ✓ Easy to install in a standard casing

Function

IO-16DI enables easy expansion of a system by 16 additional inputs per controller.

Communication takes place via EXOline or CAN-Bus. Which protocol should be used is set via DIP switches.

Inputs

IO-16DI has 16 digital inputs with pulse counting. The inputs have indication via LEDs.

Technical data

Supply voltage	24 V AC $\pm 15\%$, 50 Hz
Power consumption	Max. 3.5 VA
Communication	EXOline, CAN-bus
Communication speed EXOline CAN-bus	9600 bps 20000 bps
Operating temperature	0...50°C
Storage temperature	-20...+70°C
Ambient humidity (operation)	Max. 90 % RH
Protection class	IP20
Mounting	DIN-rail or in a standard casing
Dimensions	148 x 123 x 60 mm (WxHxD) incl. terminals
DIN-rail module width	148 x 123 x 60 mm (WxHxD) incl. terminals

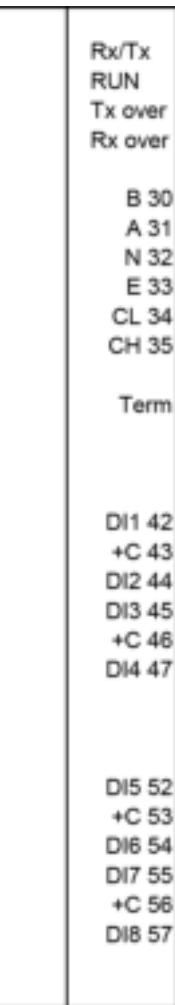
Inputs

Digital inputs (DI)	Potential-free closing contact between +C and DI, 24 V DC, can be configured as a pulse input
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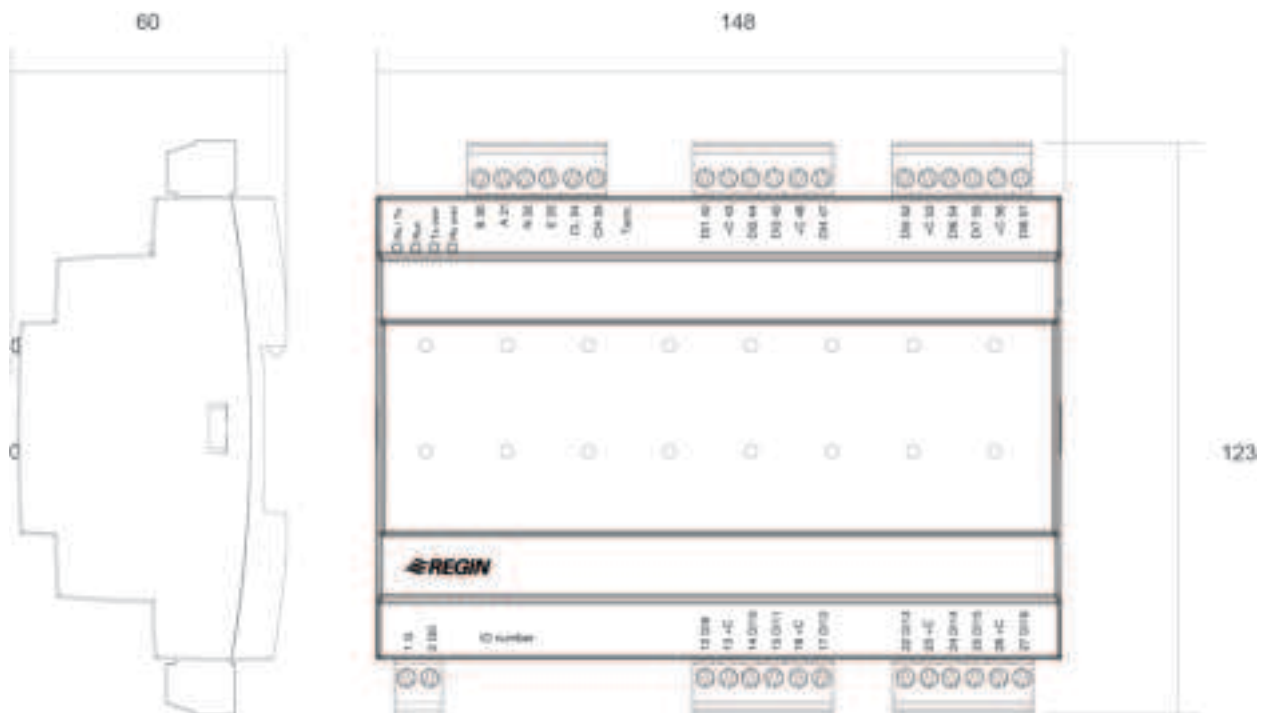
This product carries the CE-mark. More information is available at www.regincontrols.com.

Wiring

Supply voltage	24V AC	1 G				Rx/Tx	Communication status							
Supply voltage	24V AC	2 G0				RUN								
		IO number				Tx over								
						Rx over								
ON	1					2		1	B 30	RS485				
OFF	2					2		2	A 31	EXOnline				
OFF	4					2		3	N 32	RS485 / CAN ground $\perp$				
OFF	6					2		4	E 33	EXOnline RS485 (S/R)				
OFF	8					2		5	CL 34	CAN-LOW				
OFF	10					2		6	CH 35	CAN-HIGH				
						Term		 R_{END} for CAN						
		12 DI9				DI1 42								
Reference for DI		13 +C				+C 43		Reference for DI						
		14 DI10				DI2 44								
		15 DI11				DI3 45								
Reference for DI		16 +C				+C 46		Reference for DI						
		17 DI12				DI4 47								
		22 DI13				DI5 52								
Reference for DI		23 +C				+C 53		Reference for DI						
		24 DI14				DI6 54								
		25 DI15				DI7 55								
Reference for DI		26 +C				+C 56		Reference for DI						
		27 DI16	DI8 57											

Terminal	Description	Function
1	G (F24~)/+	Supply voltage 24 V AC
2	G (F24~)/+	Supply voltage 24 V AC
12	DI9	Digital input 9
13	+C	24 V DC for all digital inputs
14	DI10	Digital input 10
15	DI11	Digital input 11
16	+C	24 V DC for all digital inputs
17	DI12	Digital input 12
22	DI13	Digital input 13
23	+C	24 V DC for all digital inputs
24	DI14	Digital input 14
25	DI15	Digital input 15
26	+C	24 V DC for all digital inputs
27	DI16	Digital input 16
30	B	EXOline RS485
31	A	EXOline RS485
32	N	EXOline RS485 / CAN ground
33	E	EXOline RS485 Send/Receive alternating
34	CL	CAN-Low
35	CH	CAN-High
42	DI1	Digital input 1
43	+C	24 V DC for all digital inputs
44	DI2	Digital input 2
45	DI3	Digital input 3
46	+C	24 V DC for all digital inputs
47	DI4	Digital input 4
52	DI5	Digital input 5
53	+C	24 V DC for all digital inputs
54	DI6	Digital input 6
55	DI7	Digital input 7
56	+C	24 V DC for all digital inputs
57	DI8	Digital input 8

Dimensions



[mm]

Documentation

All documentation can be downloaded from www.regincontrols.com.