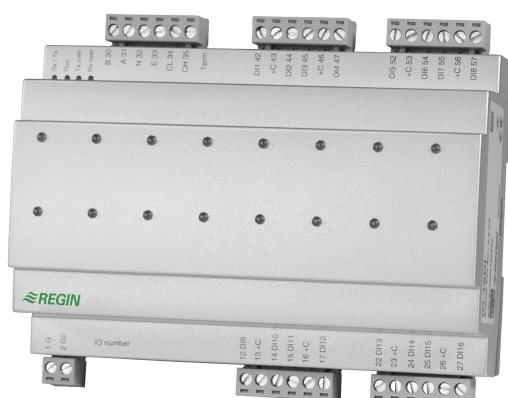


IO-16DI

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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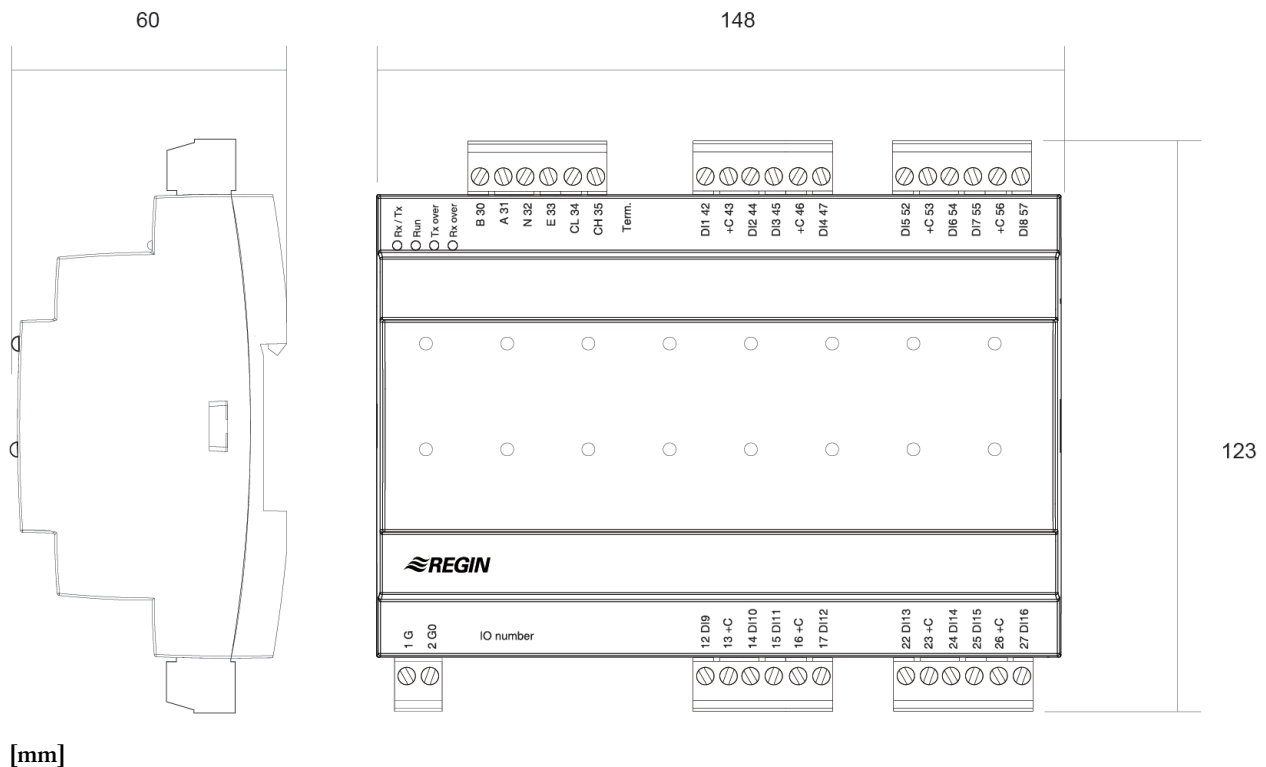
This product carries the CE-mark. More information is available at www.regincontrols.com.

Wiring

Supply voltage	24V AC	1 G				Rx/Tx RUN Tx over Rx over	Communication status	
Supply voltage	24V AC	2 G0						B 30 RS485
ON	1 2 ⁰	1						A 31 EXOline
OFF	1 2 2 ¹	2						N 32 RS485 / CAN ground ⊥
OFF	4 2 ²	3						E 33 EXOline RS485 (S/R)
OFF	8 2 ³	4						CL 34 CAN-LOW
OFF	16 2 ⁴	5					CH 35 CAN-HIGH	CAN-Bus
OFF	32 2 ⁵	6					Term]]]	R _{END} for CAN
							D11 42	
Reference for DI		12 DI9					+C 43	Reference for DI
		13 +C				D12 44		
		14 DI10				D13 45		
Reference for DI		15 DI11				+C 46	Reference for DI	
		16 +C				D14 47		
		17 DI12						
		22 DI13				D15 52		
Reference for DI		23 +C				+C 53	Reference for DI	
		24 DI14				D16 54		
Reference for DI		25 DI15				D17 55		
		26 +C				+C 56	Reference for DI	
		27 DI16				D18 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.