



DIO216/x, DIO232 Digital Input/Output Modules

The digital input / output modules DIO216/x and DIO232 can be used to operate receivers of digital control devices such as contactors, relays, pneumatic and hydraulic valves as well as for reading signals from digitally operating sources such as sensors, photocells or switches.

- 16 / 32 digital channels
- 16 channels can be configured as input or output
- Configurable interrupt inputs
- Status display for each channel via LED
- Supply voltage 18 to 34 VDC
- Supply voltage protected against reverse polarity
- Cost effective and space saving
- Full wiring without extra potential rails (3-wire, only DIO216)
- Configurable input filter (DIO232)

Item	Item-No.
DIO216	00010615-00
DIO216/4	00010892-00
DIO216/4 CC	00016141-00
DIO232	00013034-00
DIO232 CC	00019502-00

	DIO216	DIO216/4 DIO216/4 CC	DIO232 DIO232 CC
Inputs			
Quantity	Max. 16	Max. 16	16 to 32
Input voltage range (H)	15 to 34 VDC		
Input voltage range (L)	0 to 5 VDC		
Input delay (normally)	600 µs	600 µs	40 µs bis 365 ms, default 3 ms
Internal resistance	6.8 kOhm		
Status indication (LED)	Green		
Interrupt inputs	1	1	8
Outputs			
Quantity	Max. 16	Max. 16	Max. 16
Output voltage range	18 to 34 VDC		
Output current per channel (max.)	1 A	1 A	0.5 A
Total current (max.)	12 A	16 A	8 A
Status indication (LED)	Green		
Switching frequency (max., ohmic load)	1 kHz		
External power supply			
Reverse polarity protection	Yes		
Galvanic isolation from system	500 V		
Approvals / Certificates			
General	CE, cULus, CCC		
Marine	DNV GL, LR, ABS, BV		
Ambient conditions			
	Standard		ColdClimate (❄️)
Operating temperature	-30 to +60 °C		
Rel. humidity operation	5 to 95 % without condensation		5 to 95 % with condensation
Storage temperature	-40 to +85 °C		
Rel. humidity storage	5 to 95 % with condensation		
Pollution degree	2 (without condensation; according to IEC 60664-1)		2 (according to IEC 60664-1)

Order Codes		
Item	Item No.	Description
DIO216	00010615-00	Digital input/output module; 16x DIO; 24V / 1A; 600µs filter; 1 group; 3-wire system; 1 interrupt channel; 50µs delay; isolated
DIO216/4	00010892-00	Digital input/output module; 16x DIO; 24V / 1A; 600µs filter; 4 groups; 3-wire system; 1 interrupt channel; 50µs delay; isolated
DIO216/4 CC	00016141-00	Like DIO216/4; ColdClimate (❄)
DIO232	00013034-00	Digital input/output module; 16x DI; 40µs..365ms filter configurable; 16x DIO; 24V / 0.5A; 2 groups; 8 interrupt channel; 35µs delay; isolated
DIO232 CC	00019502-00	Like DIO232; ColdClimate (❄)
Accessories		
KZ-DIO216 B+C	00011974-50	Terminal set Phoenix cage clamp (3x KZ 51/12; 1x KZ 51/02) with labeling strip and coding elements
SV-DIO216 B+C	00012078-50	Terminal set Phoenix screw frontside (3x SV 51/12; 1x SV 51/02) with labeling strip and coding elements
KZ-DIO216/4 B+C	00011975-50	Terminal set Phoenix cage clamp (3x KZ 51/12; 1x KZ 51/02) with labeling strip and coding elements
KZ-DIO232 B+C	00013742-50	Terminal set Phoenix cage clamp (3x KZ 51/12) with labeling strip and coding elements
SS-DIO232 B+C	00015816-00	Terminal set Phoenix screw frontside (3x SS 51/12) with labeling strip and coding elements