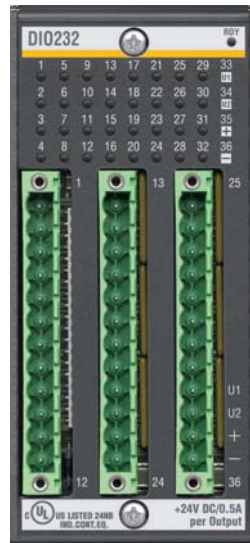


# Digital input/output modules



## Digital input / output modules DIO2xx/x

The digital input / output modules DIO2xx / x 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, photo-cells or switches.

- 16 / 32 / 48 / 64 or 80 digital channels
- 16 channels can be configured as input or output
- Configurable interrupt inputs
- Status display for each channel via LED
- Supply voltage 18 .. 34 V DC
- Supply voltage protected against reverse polarity
- Cost effective and space saving
- Full wiring without extra potential rails (3-wire, only DIO216)

Item	Item No.
DIO216	00010615-00
DIO216/4	00010892-00
DIO216/4*	00016141-00
DIO232	00013034-00
DIO232*	00019502-00
DIO248	00011479-00
DIO264	00011478-00
DIO264C	00009205-00
DIO280	00011471-00
DIO280*	00016418-00

DIO2xx/x	DIO216	DIO216/4 DIO216/4*	DIO232 DIO232*	DIO248	DIO264 DIO264C	DIO280 DIO280*
<b>Inputs</b>						
Quantity	max. 16	max. 16	16 .. 32	16 .. 32	24 .. 48	32 .. 48
Input voltage range (H)	15 .. 34 V DC					
Input voltage range (L)	0 .. 5 V DC					
Input delay (normally)	600 µs		0 .. 365 ms	600 µs		
Internal resistance	6.8 kOhm					
Status indication (LED)	green					
Interrupt inputs	1	1	8	8	8	8
<b>Outputs</b>						
Quantity	max. 16	max. 16	max. 16	16 .. 32	24 .. 48	32 .. 48
Output voltage range	18 .. 34 V DC					
Output current per channel (max.)	1 A	1 A	0.5 A	0.5 A	0.5 A	0.5 A
Total current (max.)	12 A	16 A	8 A	16 A	20 A	24 A
Status indication (LED)	green					
Switching frequency (max., ohmic load)	1 kHz					
<b>External power supply</b>						
Reverse polarity protection	yes					
Galvanic isolation from system	500 V					
<b>Ambient conditions</b>		Standard			coldclimate (*)	
Operating temperature	-30 .. +60°C					
Rel. humidity operation	5 .. 95 % without condensation				5 .. 95% with condensation	
Storage temperature	-40 .. +85°C					
Rel. humidity storage	5 .. 95 % with condensation					
<b>Execution variants</b>						
DIO216	digital input / output modules 16x DIO; 24 V / 1 A; 1 group; isolated; 1 interrupt channel; 3-wire technology					
DIO216 / 4	digital input / output modules 16x DIO; 24 V / 1 A; 4 groups; isolated; 1 interrupt channel; 3-wire technology					
DIO216 / 4*	like DIO216/4; coldclimate design (*)					
DIO232	digital input/output modules 16x DIO / 16x DI / 16x DO, 24 V / 0.5 A, 2 groups, isolated; 8 interrupt channels					
DIO232*	like DIO232; coldclimate design (*)					
DIO248	digital input/output modules 16x DIO / 16x DI / 16x DO, 24 V / 0.5 A, 4 groups, isolated; 8 interrupt channels					
DIO264	Digital input / output modules 16x DIO / 24x DI / 24x DO, 24 V / 0.5 A, 5 groups, isolated; 8 interrupt channels, CAN-slave					
DIO264C	digital input / output modules 16x DIO / 24x DI / 24x DO, 24 V / 0.5 A, 5 groups, isolated; 8 interrupt channels					
DIO280	digital input / output modules 16x DIO / 32x DI / 32x DO, 24 V / 0.5 A, 6 groups, isolated; 8 interrupt channels					
DIO280*	like DIO280; coldclimate design (*)					