



DO216, DO232
Digital Output Modules

- The digital output modules DO216, DO232 and DO232 CC are suitable for connecting up to 16 or 32 digital signal receivers (relays, contactors, signal lamps, valves, etc.) to the M1 controller.
- Digital output modules with 16 or 32 outputs
- Outputs 24 VDC (DO216, DO232, DO232 CC)
- 16 outputs with 2.5 A or 32 outputs with 1 A
- Outputs parallel connectable
- Monitoring of short circuit, wire break and overload
- Compact design
- Status display for each channel via LED

Item	Item-No.
DO216	00009004-00
DO232	00009003-00
DO232 CC	00016414-00

	DO216	DO232, DO232 CC
Description		
Number of outputs	16	32
Output current / channel ¹⁾	2.5 A	1 A
Groups with different power supplies	2 (1-8 / 9-16)	2 (1-16 / 17-32)
Total current / group	Max. 8 A	Max. 8 A
Switching delay (resistive load)		
0 -> 1	Normally 80 µs (at 1 A)	Normally 80 µs (at 1 A)
1 -> 0	Normally 250 µs (at 1 A)	Normally 250 µs (at 1 A)
Galvanic isolation from system	500 V	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)

1) Rated

Order Codes		
Item	Item No.	Description
DO216	00009004-00	Digital output module; 16x 2.5A / 24VDC outputs; 2 groups; isolated
DO232	00009003-00	Digital output module; 32x 1A / 24VDC outputs; 2 groups; isolated
DO232 CC	00016414-00	Like DO232; ColdClimate (❄)
Accessories		
KZ-DO216 B+C	00012005-50	Terminal set Phoenix cage clamp (3x KZ 51/10) with labeling strip and coding elements
KZ-DO232 B+C	00012006-50	Terminal set Phoenix cage clamp (3x KZ 51/12) with labeling strip and coding elements
SV-DO216 B+C	00010865-50	Terminal set Phoenix screw frontside (2x SV 51/10) with labeling strip and coding elements
SV-DO232 B+C	00010868-50	Terminal set Phoenix screw frontside (2x SV 51/12) with labeling strip and coding elements