



## 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 M200 controller.

### Features

- Digital output modules with 16 or 32 outputs
- Outputs 24 V DC
- 16 outputs with 2.5 A or 32 outputs with 1 A
- Outputs parallel connectable
- Monitoring of short-circuit, cable break and overload
- Compact design
- Status indication for each channel via LED

Part type designation	Part number
DO216	00009004-00
DO232	00009003-00
DO232 CC	00016414-00

**DO216, DO232**

Description	DO216	DO232, DO232 CC
Number of outputs	16	32
Output current/channel <sup>1)</sup>	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 the system	500 V	500 V

<sup>1)</sup> Nominal

Approvals/Certificates		
General	CE, UKCA, cULus	
Marine	ABS, BV, DNV, KR, LR, NK, RINA	
Environmental conditions	Standard	ColdClimate (❄)
Operating temperature	-30 °C to +60 °C	
Rel. humidity operation	5 % to 95 % noncondensing	5 % to 95 % with condensation
Storage temperature	-40 °C to +85 °C	
Rel. humidity storage	5 % to 95 % with condensation	
Pollution degree acc. IEC 60664-1	2 (noncondensing)	2

**Order data**

Part type designation	Part number	Description
DO216	00009004-00	Digital output module; 16x 2,5 A/24 V DC 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**

Part type designation	Part number	Description
KZ-DO216B+C	00012005-50	Terminal set Phoenix cage clamp (3x KZ 51/10) with labeling strips and keying elements
SV-DO216 B+C	00010865-50	Terminal set Phoenix screw frontside (3x SV 51/10) with labeling strips and keying elements
KZ-DO232B+C	00012006-50	Terminal set Phoenix cage clamp (3x KZ 51/12) with labeling strips and keying elements
SV-DO232 B+C	00010868-50	Terminal set Phoenix screw frontside (3x SV 51/12) with labeling strips and keying elements