



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 |