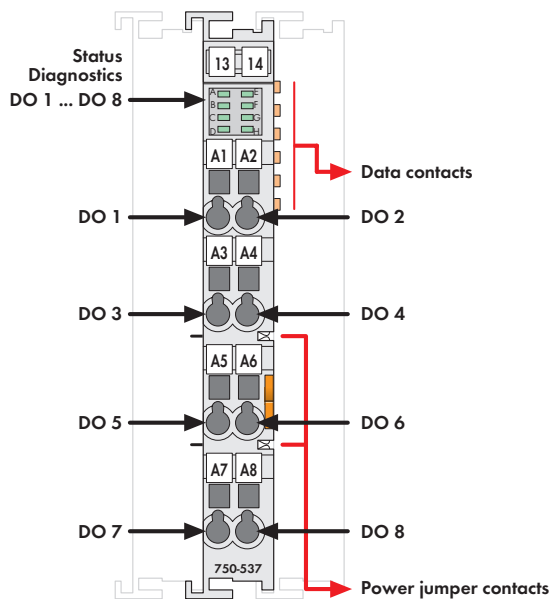
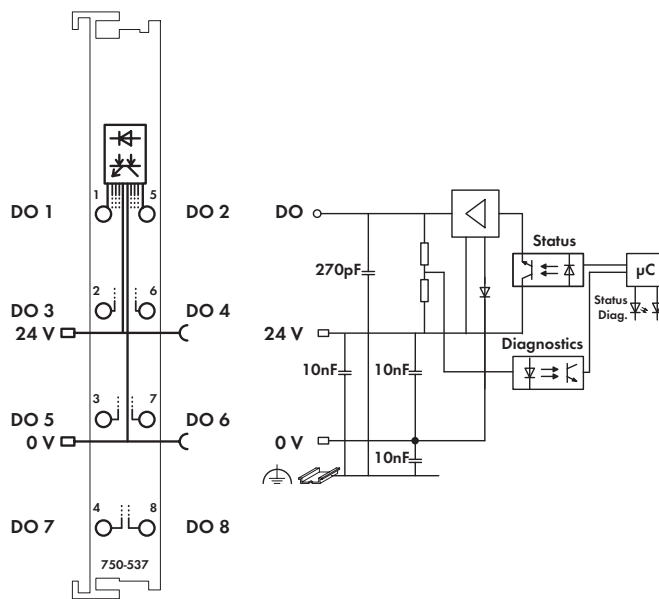


8-Channel Digital Output Module 24 V DC

Short-circuit protected; high-side switching; with diagnostics



Delivered without miniature WSB markers



NOTE: Connection point marking (i.e., 1 ... 8) does not refer to channel assignment


Control signals are transmitted from the automation device to connected actuators via the digital output module.

All outputs are short-circuit proof.

In addition to the functions that can be fulfilled by the standard output modules, these output modules can recognize a short circuit or an open circuit. The status is transmitted to the fieldbus couplers and indicated by LEDs.

The module is an 8-channel device and eight actuators may be connected to it.

Field and system levels are electrically isolated.

| Description | Item No. | Pack. Unit |
|---|--|------------|
| 8DO 24V DC 0.5A, diagnostics | 750-537 | 1 |
| Accessories | | |
| Miniature WSB Quick marking system | | |
|  plain | 248-501 | 5 |
| with marking | see pages 352 ... 353 | |
| Approvals | | |
| Also see "Approvals Overview" in Section 1 | | |
| Conformity marking | CE | |
| Shipbuilding | ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA | |
| UL 508 | | |
| ANSI/ISA 12.12.01 | Class I, Div. 2, Grp. ABCD, T4 | |
| EN 60079-0, -15 | I M2 / II 3 GD Ex nA IIC T4 | |
| EN 61241-0, -1 | | |

| Technical Data | |
|---|--|
| No. of outputs | 8 |
| Max. current consumption (internal) | 50 mA |
| Voltage via power jumper contacts | 24 V DC (-25 % ... +30 %) |
| Type of load | resistive, inductive, lamps |
| Max. switching frequency | 1 kHz |
| Reverse voltage protection | yes |
| Output current | 0.5 A, short-circuit protected |
| Short-circuit limitation (typ.) Pwm | 12A |
| Open-circuit detection | < 0.1 mA |
| Diagnostics | Open-circuit, overload and short-circuit |
| Inductive load switch off energy dissipation W (max.) | 0.1 J; L max = 2 x W max / I ² |
| Current consumption typ. (field side) | 16 mA / module + load |
| Isolation | 500 V system/supply |
| Internal bit width | 8 bits out, 8 bits in (diagnostics) |
| Wire connection | CAGE CLAMP® |
| Cross sections | 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14 |
| Stripped lengths | 8 ... 9 mm / 0.33 in |
| Width | 12 mm |
| Weight | 48.5 g |
| EMC: CE - immunity to interference | acc. to EN 60000-6-2 (2005) |
| EMC: CE - emission of interference | acc. to EN 61000-6-3 (2007) |
| EMC: marine applications | |
| - immunity to interference | acc. to Germanischer Lloyd (2003) |
| EMC: marine applications | |
| - emission of interference | acc. to Germanischer Lloyd (2003) |