

## 2-Channel Relay Output Module AC 230 V, DC 300 V

isolated outputs; 2 changeover contacts

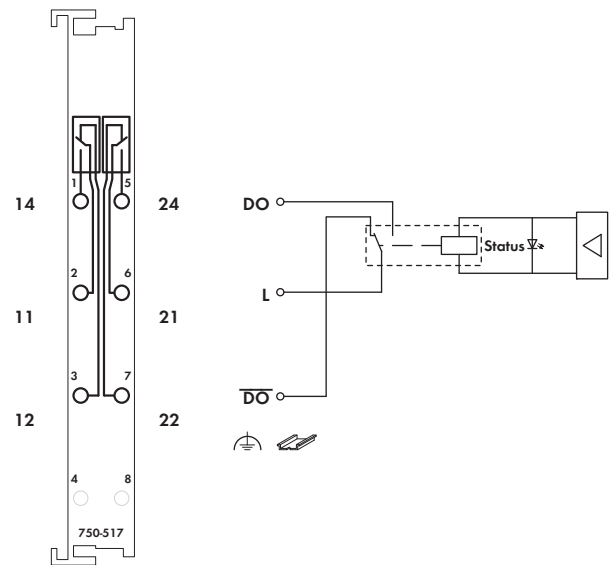
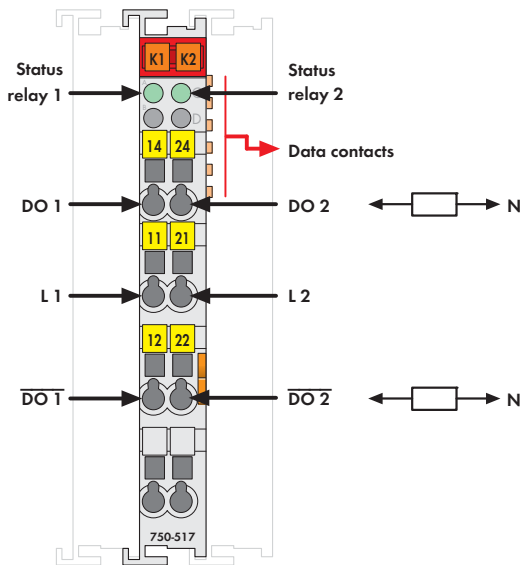


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker  
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

The connected load is switched via the digital output (relay contacts) from the control system.

The internal system voltage is used to trigger the relay.

The SPDT contacts are electrically isolated.

The switched status of the relay is shown by a LED.

| Description                                                                                                                   | Item no.                              | Pack. unit |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------|
| <b>2DO 230V AC 1.0A/ Relay 2CO/ Potential Free</b>                                                                            | <b>750-517</b>                        | <b>1</b>   |
| <b>2DO 230V AC 1.0A/ Relay 2CO/ Potential Free (without connector)</b>                                                        | <b>753-517</b>                        | <b>1</b>   |
| <b>Accessories</b>                                                                                                            |                                       |            |
|  753 Series connector                       | <b>753-110</b>                        | 25         |
|  Coding elements                            | <b>753-150</b>                        | 100        |
|  <b>Miniature WSB quick marking system,</b> |                                       |            |
| plain                                                                                                                         | <b>248-501</b>                        | 5          |
| with marking                                                                                                                  | see pages 256 ... 257                 |            |
| <b>Approvals</b>                                                                                                              |                                       |            |
| Series 750 and 753                                                                                                            |                                       |            |
| Conformity marking                                                                                                            | <b>CE</b>                             |            |
|  UL 508                                    |                                       |            |
| Series 750                                                                                                                    |                                       |            |
|  EN 50021                                  | <b>II 3 G EEx nC II C T4</b>          |            |
| Marine applications                                                                                                           | see "Approvals Overview" in section 1 |            |

| Technical Data                                                                                                   |                                                                                           |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| No. of outputs                                                                                                   | 2 changeover contacts                                                                     |
| Current consumption max. (internal)                                                                              | 90 mA                                                                                     |
| Switching voltage (max.)                                                                                         | AC 250 V / DC 300 V                                                                       |
| Switching current (min.)                                                                                         | 100 mA / 12 V DC                                                                          |
| Switching current (max.)                                                                                         | AC 1 A DC 1 A at 40 V                                                                     |
|                                                                                                                  | DC 0.15 A at DC 300 V                                                                     |
| Switching rate (max.)                                                                                            | 6 / min (at nominal load)                                                                 |
| Pull-in time (max.)                                                                                              | 8 ms                                                                                      |
| Drop-out time (max.)                                                                                             | 4 ms                                                                                      |
| Contact material                                                                                                 | Silver alloy                                                                              |
| Mechanical life                                                                                                  | 5 x 10 <sup>6</sup> switching operations                                                  |
| Electrical life                                                                                                  | 1 x 10 <sup>6</sup> switching operations (AC 1 A/250 V)                                   |
| Isolation                                                                                                        | 1.5 kV eff. (field/system)*;<br>* 2.5 kV rated surge voltage;<br>Overvoltage category III |
| Internal bit width                                                                                               | 2 bits                                                                                    |
| Wire connection                                                                                                  | CAGE CLAMP®                                                                               |
| Cross sections                                                                                                   | 0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 14                              |
| Stripped lengths (750 / 753 Series)                                                                              | 8 ... 9 mm / 0.33 in<br>9 ... 10 mm / 0.37 in                                             |
| Width                                                                                                            | 12 mm                                                                                     |
| Weight                                                                                                           | 52.5 g                                                                                    |
| EMC  Immunity to interference | acc. to EN 50082-2 (1996)                                                                 |
| EMC  Emission of interference | acc. to EN 50081-1 (1993)                                                                 |
| EMC marine applications -                                                                                        |                                                                                           |
| Immunity to interference                                                                                         | acc. to Germanischer Lloyd (2003)                                                         |
| EMC marine applications -                                                                                        |                                                                                           |
| Emission of interference                                                                                         | acc. to Germanischer Lloyd (2003)                                                         |