

## 2-Channel Relay Output Module AC 125 V, DC 30 V

isolated outputs; 2 changeover contacts

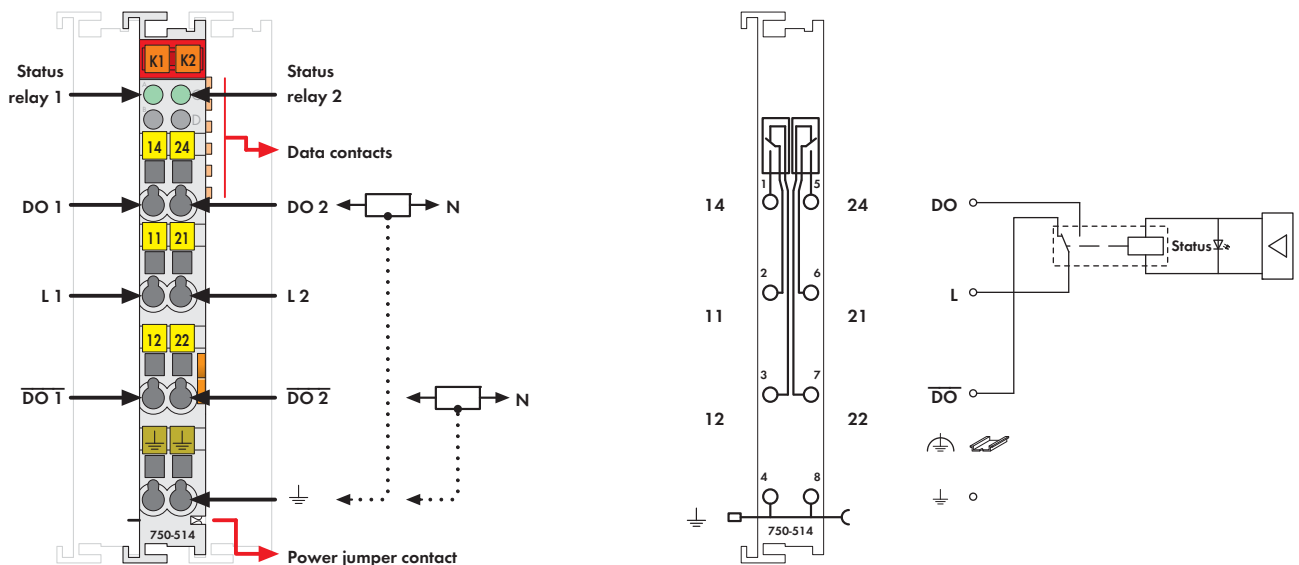


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker  
 Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

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 NO contacts are electrically isolated.

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

Actuators with a ground (earth) wire may be directly connected to the module.

| Description                                                                                                                    | Item no.                              | Pack. unit       |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------|
| <b>2DO 125V AC 0.5A/ Relay 2CO/ Potential Free</b>                                                                             | <b>750-514</b>                        | 10 <sup>1)</sup> |
| <b>2DO 125V AC 0.5A/ Relay 2CO/ Potential Free (without connector)</b>                                                         | <b>753-514</b>                        | 10 <sup>1)</sup> |
| <sup>1)</sup> Also available individually                                                                                      |                                       |                  |
| Accessories                                                                                                                    | Item no.                              | Pack. unit       |
|  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                 |                  |
| Approvals                                                                                                                      |                                       |                  |
| Series 750 and 753                                                                                                             |                                       |                  |
| Conformity marking                                                                                                             | CE                                    |                  |
| UL 508                                                                                                                         |                                       |                  |
| Series 750                                                                                                                     |                                       |                  |
| EN 50021                                                                                                                       | II 3 G EEx nC II C T4                 |                  |
| Marine applications                                                                                                            | see "Approvals Overview" in section 1 |                  |

| Technical Data                      |                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| No. of outputs                      | 2 changeover contacts                                                                     |
| Current consumption typ. (internal) | 70 mA                                                                                     |
| Switching voltage (max.)            | AC 125 V / DC 30 V                                                                        |
| Switching power                     | 62.5 VA / 30 W                                                                            |
| Switching current (min.)            | DC 0.01 mA / 10 mV                                                                        |
| Switching current (max.)            | AC 0.5 A / DC 1 A                                                                         |
| Switching rate (max.)               | 20 / min                                                                                  |
| Pull-in time (max.)                 | 4 ms                                                                                      |
| Drop-out time (max.)                | 4 ms                                                                                      |
| Contact material                    | Silver alloy, gold-plated                                                                 |
| Mechanical life                     | 1 x 10 <sup>8</sup> switching operations                                                  |
| Electrical life                     | 1 x 10 <sup>5</sup> ( AC 0.5 A / 125 V )<br>2 x 10 <sup>5</sup> ( DC 1 A / 30 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                              | 49.5 g                                                                                    |
| EMC CE-Immunity to interference     | acc. to EN 50082-2 (1996)                                                                 |
| EMC CE-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)                                                         |