

## 4-Channel Digital Input Module DC 24 V

2- to 3-conductor connection; low-side switching

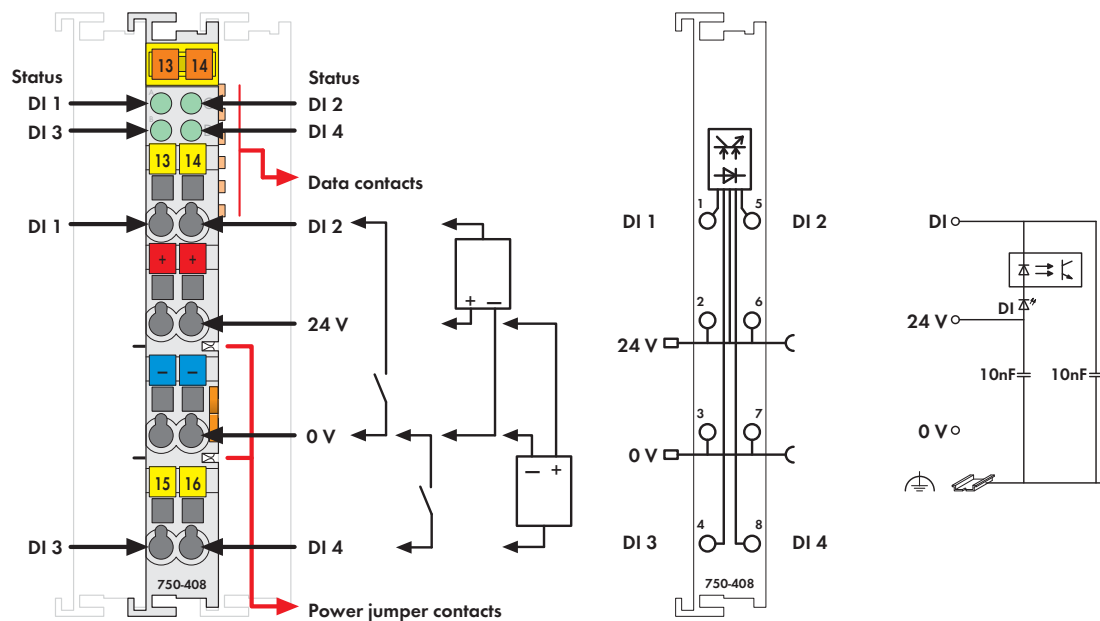


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker  
 Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

The digital input module receives the control signal from digital field devices (sensors, etc.).

Each input module has a noise-rejection filter. This filter is available with different time constants.

An optocoupler is used for electrical isolation between the bus and the field side.

| Description                                                                         | Item no.                            | Pack. unit                     |     |
|-------------------------------------------------------------------------------------|-------------------------------------|--------------------------------|-----|
| 4DI 24V DC 3.0ms, low-side switching                                                | 750-408                             | 10 <sup>1)</sup>               |     |
| 4DI 24V DC 0.2ms, low-side switching                                                | 750-409                             | 10 <sup>1)</sup>               |     |
| 4DI 24V DC 3.0ms, low-side switching<br>(without connector)                         | 753-408                             | 10 <sup>1)</sup>               |     |
| 4DI 24V DC 0.2ms, low-side switching<br>(without connector)                         | 753-409                             | 10 <sup>1)</sup>               |     |
|                                                                                     |                                     |                                |     |
|                                                                                     |                                     |                                |     |
|                                                                                     |                                     |                                |     |
|                                                                                     |                                     |                                |     |
| 1) Also available individually                                                      |                                     |                                |     |
| Accessories                                                                         | Item no.                            | Pack. unit                     |     |
|  | 753 Series connector                | 753-110                        | 25  |
|                                                                                     | Coding elements                     | 753-150                        | 100 |
|  | Miniature WSB quick marking system, |                                |     |
|                                                                                     | plain                               | 248-501                        | 5   |
|                                                                                     | with marking                        | see pages 256 ... 257          |     |
|                                                                                     |                                     |                                |     |
|                                                                                     |                                     |                                |     |
| Approvals                                                                           |                                     |                                |     |
| Series 750 and 753                                                                  |                                     |                                |     |
| UL 508                                                                              |                                     |                                |     |
| Conformity marking                                                                  |                                     | CE                             |     |
| ANSI/ISA 12.12.01                                                                   |                                     | Class I, Div. 2, Grp. ABCD, T4 |     |
| Series 750                                                                          |                                     |                                |     |
| EN 60079-15                                                                         |                                     | I M2 / II 3 GD Ex nA IIC T4    |     |

| Technical Data                      |                                                          |
|-------------------------------------|----------------------------------------------------------|
| No. of inputs                       | 4                                                        |
| Current consumption (internal)      | 5 mA                                                     |
| Voltage via power jumper contacts   | DC 24 V (-15 % ... +20 %)                                |
| Signal voltage (0)                  | DC (V <sub>V</sub> - 5 V) ... V <sub>V</sub>             |
| Signal voltage (1)                  | DC -3 V ... (V <sub>V</sub> - 15 V)                      |
| Input filter                        | 3.0 ms (750-408 / 753-408)<br>0.2 ms (750-409 / 753-409) |
| Input current (typ.)                | 7 mA                                                     |
| Isolation                           | 500 V system/supply                                      |
| Internal bit width                  | 4 bits                                                   |
| Wire connection                     | CAGE CLAMP®                                              |
| Cross sections                      | 0.08 mm² ... 2.5 mm² / 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                              | 48 g                                                     |
| EMC CE-Immunity to interference     | acc. to EN 50082-2 (1996)                                |
| EMC CE-Emission of interference     | acc. to EN 50081-1 (1993)                                |