

4-Channel Digital Input Module 24 V DC

2-conductor connection; high-side switching

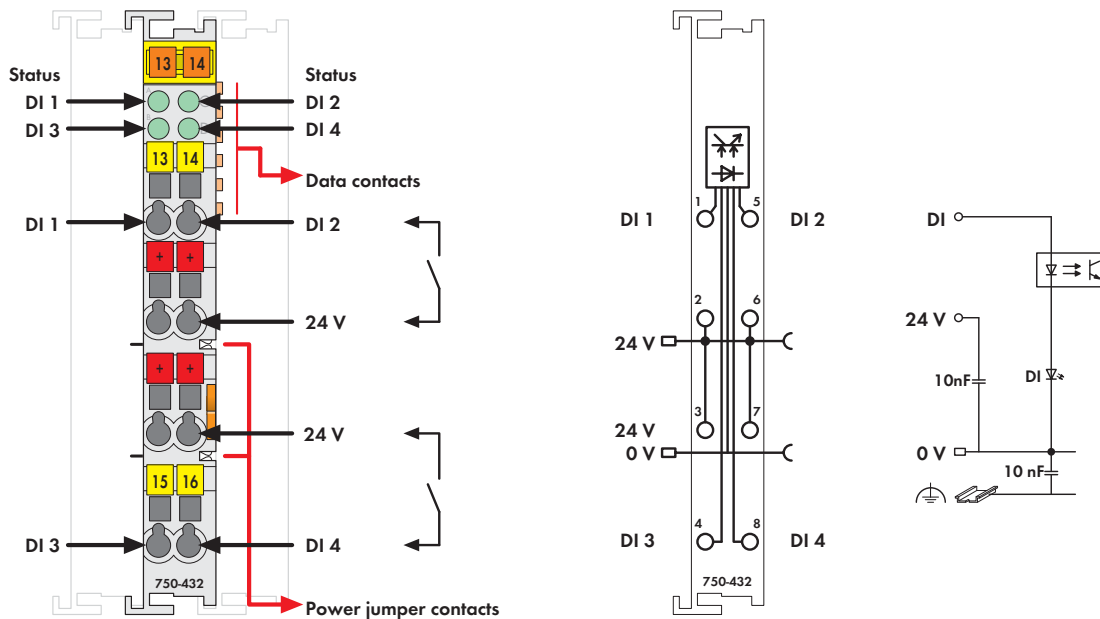





Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 12 ... 13 / 14 ... 15

The digital input module receives control signals from digital field devices (sensors, etc.).
The module is a 4-input channel, 2-conductor device. Due to its four 24V connections, four sensors may be directly connected to the module.

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/2-conductor | 750-432 | 10 ¹⁾ |
| 4DI 24V DC 0.2ms/2-conductor | 750-433 | 10 ¹⁾ |
| 4DI 24V DC 3.0ms/2-conductor (without connector) | 753-432 | 10 ¹⁾ |
| 4DI 24V DC 0.2ms/2-conductor (without connector) | 753-433 | 10 ¹⁾ |
| 1) Also available individually | | |
| Accessories | Item No. | Pack. Unit |
|  753 Series Connectors | 753-110 | 25 |
|  Coding elements | 753-150 | 100 |
| Miniature WSB Quick marking system | | |
|  plain | 248-501 | 5 |
| with marking | see www.wago.com | |
| Approvals | | |
| CE | | |
| Shipbuilding | see "Approvals Overview" in section 1 | |
| UL508 | | |
| ANSI/ISA 12.12.01 | Class I Div 2 ABCD T4 | |
| EN 60079-0, -1, -15 | I M2/ II 3 GD Ex nA IIC T4 | 75x-432, 753-433 |
| EN 61241-0, -1 | I M2 Ex d I | 750-433* |
| | II 3 G Ex nA IIC T4 | 750-433* |
| | II 3 D Ex tD A22 IP6X T135°C | 750-433* |
| | * Permissible operating temperature 0 °C ... +60 °C | |
| Note: For additional information on regulations and test results, see Section 12. | | |

| Technical Data | |
|--|--|
| Number of inputs | 4 |
| Current consumption (internal) | 5.5 mA |
| Voltage via power jumper contacts | 24 V DC (-25 % ... +30 %) |
| Signal voltage (0) | -3 V ... +5 V DC |
| Signal voltage (1) | 15 V ... 30 V DC |
| Input filter | 3.0 ms (750-432 / 753-432) 0.2 ms (750-433 / 753-433) |
| Input current (typ.) | 4.5 mA |
| Isolation | 500 V system/supply |
| Internal bit width | 4 bits in |
| 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 9 ... 10 mm / 0.37 in |
| Width | 12 mm |
| Weight | 48.5 g |
| EMC CE-Immunity to interference | acc. to EN 61000-6-2 (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) |