

## Digital Input; 24 VDC; 3 ms



Figure: 750-421

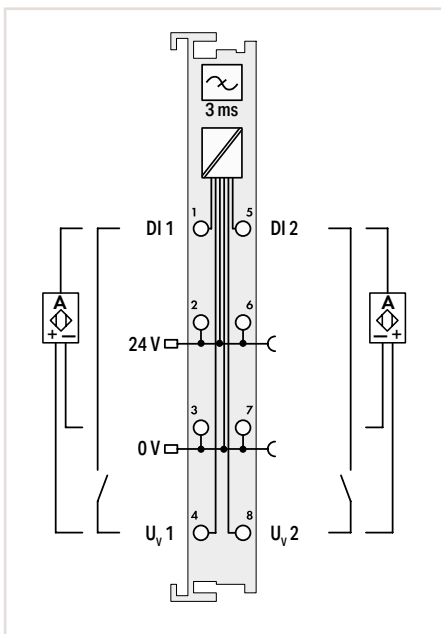
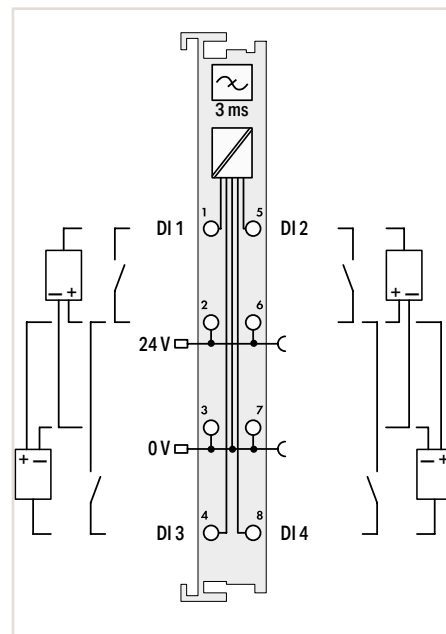


Figure: 750-402



### Item Description

### Version

### Item No.

### Order Text

### 2-Channel Digital Input; 24 VDC; 3 ms; Diagnostics

#### Standard

#### Pluggable (delivery without connector)

### 750-421

### 753-421

2DI; 24 VDC; 3ms;  
Diagn

2DI; 24 VDC; 3ms;  
Diagn

### 4-Channel Digital Input; 24 VDC; 3 ms

#### Standard

#### Extended temperature

#### Pluggable (delivery without connector)

### 750-402

### 750-402/025-000

### 753-402

4DI; 24 VDC;  
3ms

4DI; 24 VDC;  
3ms; T

4DI; 24 VDC;  
3ms

### Technical Data

|                                               |                                                                                                                     |                                                        |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Pluggable connector                           |                                                                                                                     | •                                                      |
| Number of digital inputs                      | 2                                                                                                                   |                                                        |
| Signal type                                   | 24 VDC                                                                                                              |                                                        |
| Voltage range for signal (0)                  | -3 ... +5 VDC                                                                                                       |                                                        |
| Voltage range for signal (1)                  | 15 ... 30 VDC                                                                                                       |                                                        |
| Sensor connection                             | 2-wire; 3-wire                                                                                                      |                                                        |
| Input characteristic                          | High-side switching                                                                                                 |                                                        |
| Input filter (digital)                        | 3 ms                                                                                                                |                                                        |
| Input current per channel for signal (1) typ. | 3.7 mA                                                                                                              |                                                        |
| Supply voltage (sensor)                       | 24 VDC; short-circuit-protected; isolated channels                                                                  |                                                        |
| Supply voltage (field)                        | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |                                                        |
| Current consumption – system supply (5 V)     | 12 mA                                                                                                               |                                                        |
| Data width (internal)                         | 4 bits                                                                                                              |                                                        |
| Diagnostics                                   | Short circuit; automatic acknowledgement after error rectified                                                      |                                                        |
| Isolation                                     | 500 V system/field                                                                                                  |                                                        |
| Surrounding air temperature (operation)       | 0 ... +55 °C                                                                                                        |                                                        |
| Dimensions W x H x D                          | 12 x 69.8 x 100 mm                                                                                                  |                                                        |
| Approvals                                     | CE, Marine; OrdLoc/HazLoc; ATEX/IECEX                                                                               |                                                        |
| Data sheet and further information, see:      | <a href="http://wago.com/750-421">wago.com/750-421</a>                                                              | <a href="http://wago.com/753-421">wago.com/753-421</a> |

### Accessories

Pluggable connector

Coding keys

### Item No.

753-110

753-150

|                                                                                                                     |                                                        |              |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------|
|                                                                                                                     |                                                        | •            |
| 4                                                                                                                   |                                                        |              |
| 24 VDC                                                                                                              |                                                        |              |
| -3 ... +5 VDC                                                                                                       |                                                        |              |
| 15 ... 30 VDC                                                                                                       |                                                        |              |
| 2 x (2-wire; 3-wire)*                                                                                               |                                                        |              |
| High-side switching                                                                                                 |                                                        |              |
| 3 ms                                                                                                                |                                                        |              |
| 4.5 mA                                                                                                              |                                                        |              |
| 24 VDC                                                                                                              |                                                        |              |
| 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |                                                        |              |
| 7.5 mA                                                                                                              |                                                        |              |
| 4 bits                                                                                                              |                                                        |              |
| 500 V system/field                                                                                                  |                                                        |              |
| 0 ... +55 °C                                                                                                        | -20 ... +60 °C                                         | 0 ... +55 °C |
| 12 x 69.8 x 100 mm                                                                                                  |                                                        |              |
| CE, Marine; OrdLoc/HazLoc; ATEX/IECEX                                                                               |                                                        |              |
| <a href="http://wago.com/750-402">wago.com/750-402</a>                                                              | <a href="http://wago.com/753-402">wago.com/753-402</a> |              |

|  |                 |
|--|-----------------|
|  | <b>Item No.</b> |
|  | 753-110         |
|  | 753-150         |

\*A suitable field side connection module (e.g., 750-614) must also be used to connect other sensors.