

## Digital Input; 24 VDC; 0.2 ms



Figure: 750-401

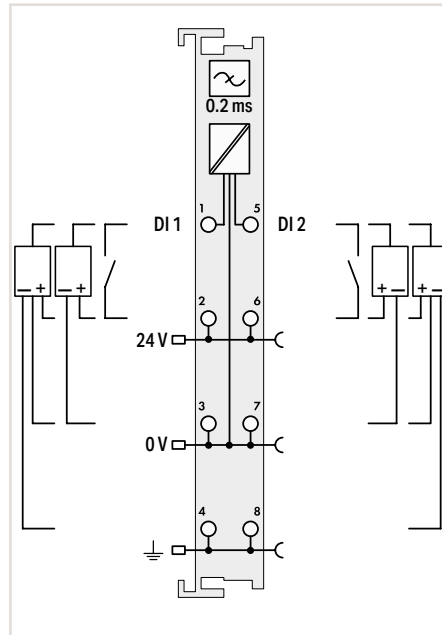
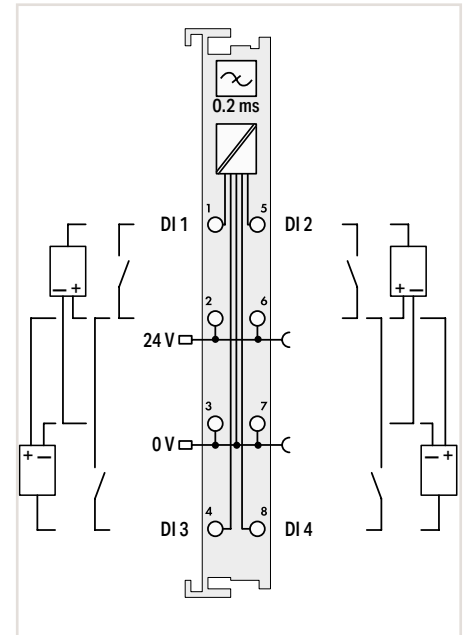


Figure: 753-401



| Item Description                              |  | 2-Channel Digital Input; 24 VDC; 0.2 ms                                                                             |                                                        | 4-Channel Digital Input; 24 VDC; 0.2 ms                                                                             |                                                        |
|-----------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Version                                       |  | Standard                                                                                                            | Pluggable (delivery without connector)                 | Standard                                                                                                            | Pluggable (delivery without connector)                 |
| Item No.                                      |  | 750-401                                                                                                             | 753-401                                                | 750-403                                                                                                             | 753-403                                                |
| Order Text                                    |  | 2DI; 24 VDC; 0.2ms                                                                                                  | 2DI; 24 VDC; 0.2ms                                     | 4DI; 24 VDC; 0.2ms                                                                                                  | 4DI; 24 VDC; 0.2ms                                     |
| Technical Data                                |  |                                                                                                                     |                                                        |                                                                                                                     |                                                        |
| Pluggable connector                           |  |                                                                                                                     |                                                        |                                                                                                                     |                                                        |
| Number of digital inputs                      |  | 2                                                                                                                   |                                                        | 4                                                                                                                   |                                                        |
| Signal type                                   |  | 24 VDC                                                                                                              |                                                        | 24 VDC                                                                                                              |                                                        |
| Voltage range for signal (0)                  |  | -3 ... +5 VDC                                                                                                       |                                                        | -3 ... +5 VDC                                                                                                       |                                                        |
| Voltage range for signal (1)                  |  | 15 ... 30 VDC                                                                                                       |                                                        | 15 ... 30 VDC                                                                                                       |                                                        |
| Sensor connection                             |  | 2-wire; 3-wire; 4-wire                                                                                              |                                                        | 2 x (2-wire; 3-wire)*                                                                                               |                                                        |
| Input characteristic                          |  | High-side switching                                                                                                 |                                                        | High-side switching                                                                                                 |                                                        |
| Input filter (digital)                        |  | 0.2 ms                                                                                                              |                                                        | 0.2 ms                                                                                                              |                                                        |
| Input current per channel for signal (1) typ. |  | 4.5 mA                                                                                                              |                                                        | 4.5 mA                                                                                                              |                                                        |
| Supply voltage (sensor)                       |  | 24 VDC                                                                                                              |                                                        | 24 VDC                                                                                                              |                                                        |
| Supply voltage (field)                        |  | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |                                                        | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |                                                        |
| Current consumption – system supply (5 V)     |  | 3.7 mA                                                                                                              |                                                        | 7.5 mA                                                                                                              |                                                        |
| Data width (internal)                         |  | 2 bits                                                                                                              |                                                        | 4 bits                                                                                                              |                                                        |
| Isolation                                     |  | 500 V system/field                                                                                                  |                                                        | 500 V system/field                                                                                                  |                                                        |
| Surrounding air temperature (operation)       |  | 0 ... +55 °C                                                                                                        |                                                        | 0 ... +55 °C                                                                                                        |                                                        |
| Dimensions W x H x D                          |  | 12 x 69.8 x 100 mm                                                                                                  |                                                        | 12 x 69.8 x 100 mm                                                                                                  |                                                        |
| Approvals                                     |  | CE; Marine; OrdLoc/HazLoc; ATEX/IECEX                                                                               |                                                        | CE; Marine; OrdLoc/HazLoc; ATEX/IECEX                                                                               |                                                        |
| Data sheet and further information, see:      |  | <a href="http://wago.com/750-401">wago.com/750-401</a>                                                              | <a href="http://wago.com/753-401">wago.com/753-401</a> | <a href="http://wago.com/750-403">wago.com/750-403</a>                                                              | <a href="http://wago.com/753-403">wago.com/753-403</a> |
| Accessories                                   |  | Item No.                                                                                                            |                                                        | Item No.                                                                                                            |                                                        |
| Pluggable connector                           |  | 753-110                                                                                                             |                                                        | 753-110                                                                                                             |                                                        |
| Coding keys                                   |  | 753-150                                                                                                             |                                                        | 753-150                                                                                                             |                                                        |