

49.00 EUR

incl. 19% VAT, plus [shipping](#)

- Norvi X !
- 4x Digital Inputs !
- Extension !



**Support:** [Specifications](#)

- 4 × Optically Isolated 24 V Digital Inputs
- Direct GPIO Link to Host CPU (for high-speed signal acquisition)
- Supports fast inputs such as PWM, pulse trains & encoders
- One common terminal for all four inputs
- DIN-rail mountable industrial enclosure
- Status indicators for each input

The NORVI X-DI4 is an industrial-grade digital input expansion module designed to seamlessly integrate with the NORVI X Modular Controller. It provides four optically isolated and protected 24 V DC digital inputs, enabling reliable interfacing with sensors, switches, and other field devices used in industrial automation and monitoring systems.

The DI4 variant directly connects its inputs to the host CPU's GPIO, offering high-speed signal capture suitable for PWM, pulse-train, and encoder inputs. Its design ensures noise immunity, galvanic isolation, and compatibility with both sourcing (PNP) and sinking (NPN) sensor types.

|                  |                                    |
|------------------|------------------------------------|
| Range of product | NORVI X                            |
| Product type /   | Expansion Module f. NORVI X Series |
| Model            | NORVI X-DI4                        |

|                          |                                                                                                                                                                                                      |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certifications           | EN 61131-2:2007<br>EN 61010-1:2010+A1:2019<br>EN IEC 61010-2-201:2018<br>2014/30/EU- Electromagnetic Compatibility (EMC)<br>Annex III, Part B, Module C                                              |
| Dimensions               | 81 x 104 x 23 mm                                                                                                                                                                                     |
| Mounting                 | DIN RAIL                                                                                                                                                                                             |
| Terminal Type            | Push-in terminal                                                                                                                                                                                     |
| Environment              | <b>IP20</b><br>Operating altitude: 0-2000 meters<br>Operating Temperature: -10 ... - +85°C<br>Shock resistance: 15 gn for 11ms<br>Resistance to electrostatic discharge: 4kV on contact / 8kV on air |
| Supply Voltage (V)       | 24V / 80mA                                                                                                                                                                                           |
| <b>I/O Specification</b> |                                                                                                                                                                                                      |
| Number of Inputs         | 4 Digital Inputs                                                                                                                                                                                     |
| Input Type               | Isolated 24V DC                                                                                                                                                                                      |
| Input Voltage Range      | 0-30 V DC                                                                                                                                                                                            |
| Logic Low (OFF)          | < 5 V DC                                                                                                                                                                                             |
| Logic High (ON)          | > 15 V DC                                                                                                                                                                                            |
| Input Impedance          | ~ 7 mA @ 24V                                                                                                                                                                                         |
| Protection               | Over-voltage, Reverse Polarity, ESD Protected<br>Opto-coupler isolation per channel                                                                                                                  |
| Status Indicators        | 4x LED Input indicators                                                                                                                                                                              |
| Communication Bus / Type | Internal Expansion Bus<br>Push-in Terminal Block                                                                                                                                                     |