

0.00 EUR

incl. 19% VAT, plus shipping

- **8x 230V AC Inputs !**
- **Optically Isolated !**
- **PCA9538 I²C Expander !**
- **DIN Rail Mount !**

- 8 optically isolated digital inputs for 230 V AC
- One common neutral terminal for all eight inputs
- PCA9538 I²C port expander with four selectable I²C addresses
- Up to four X-DA8 modules per controller for a total of up to 32 digital inputs
- Over-voltage, reverse-polarity and ESD protection
- Switching frequency up to 1 kHz
- Individual LED status indicators for each input channel
- Plug-and-play connection via the internal NORVI X expansion bus
- DIN-rail mounting with push-in terminals

The NORVI X-DA8 is an expansion module with eight 230 V AC digital inputs for the modular NORVI X controller platform.

Each input is opto-coupler isolated from the CPU side. The integrated PCA9538 I²C port expander transfers input states to the NORVI X CPU module through the internal expansion bus. Four I²C addresses can be selected using DIP switches, allowing up to four X-DA8 modules to be operated on one controller.

Range of product	NORVI X
Product type /	Expansion Module for NORVI X Series
Model	NORVI X-DA8
Certifications	EN 61131-2:2007 EN 61010-1:2010+A1:2019 EN IEC 61010-2-201:2018 2014/30/EU- Electromagnetic Compatibility (EMC) Annex III, Part B, Module C
Dimensions	81 x 104 x 23 mm
Mounting	DIN RAIL
Terminal Type	Push-in terminal

Environment

IP20

Operating altitude: 0-2000 meters

Storage altitude: 0-3000 meters

Shock resistance: 15 gn for 11ms

Resistance to electrostatic discharge: 4kV on contact / 8kV on air

Resistance to electromagnetic fields: 10 V/m (80 MHz ... 1 GHz)

3 V/m (1.4 GHz ... 2 GHz)

1 V/m (2 GHz ... 3 GHz)

24V DC

Supply Voltage (V)

I/O Specification

Number of Inputs

8 Digital Inputs

Input Type

Isolated 230 V AC

Isolation Voltage

> 1500 Vrms (optical isolation from CPU)

Input Impedance

Approx. 3.3 k Ω

Switching Frequency

Up to 1 kHz

Protection

Over-voltage, Reverse Polarity, ESD Protected

I²C Device

PCA9538 I²C port expander

I²C Address Selection

4 selectable addresses: 0x70, 0x71, 0x72, 0x73

Status Indicators

8 x LED Input Indicators

Interface to CPU

I2C Communication

Communication Bus

Internal Expansion Bus

Field Connector

Push-in Terminal Block

AC1-AC8: Digital Inputs 1-8

N: Neutral

Power Supply

24 V DC (shared with CPU via expansion port)