59.95 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 / Model	Expansion Module for NORVI X Series 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)
Supply Voltage (V)	24V DC
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?
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)