Automation by innovation.

KeControl C2

C2-DI 260/A Digital Input Module

- Digital input module
- Digital inputs with interrupt
- Electronical nameplate
- configurabe input filter

Brief description

The C2-DI 260/A is a digital input module of the Keba module system. The module is added directly on to a central processor module. A bus link module is used to operate this module with all product lines of the KeControl system.

This digital input module enables the connection of 16 digital inputs. 24VDC control signals are recorded by the digital inputs and forwarded to the superior automation device in galvanic isolation. 2 of the 16 digital inputs can additionally be used as interrupt inputs. These interrupt inputs enable a response time of 50µs. The input filters can be configured individually to 1ms or 100ms.

The states of the digital inputs are signaled with green LEDs.

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Technical Data

General information

Power supply voltage:	24 V from front (19,2 V to 30 V, acc. to EN 61131-2) 24 V DC K-Bus supply 5 V DC K-Bus supply
Addressing at K-Bus:	via 16-digit address switch, on the side
Connection terminals:	Open terminals, grid dimensions 5.08 mm
Max. power consumption 24 V at K-Bus:	1 W
Max. power consumption 5 V at K-Bus:	0.4 W

Digital inputs

Number of inputs:	16
Input type:	Type 1 (according to IEC61131-2)
Voltage range for "1":	15 V ≤ UH ≤ 30 V
Voltage range for "0":	-3 V ≤ UL ≤ 5 V
Filter:	Adjustable: 500 Hz, 50 Hz
Cycle time:	1ms
Status display	Green LED
Galvanic isolation:	yes

Interrupt inputs

Number of inputs:	2 (DI0, DI1) of the 16 digital inputs
Input type:	Type 1 (according to IEC61131-2)
Voltage range for "1":	15 V ≤ UH ≤ 30 V
Voltage range for "0":	-3 V ≤ UL ≤ 5 V
Filter:	Adjustable: 5 kHz, 500 HZ, 50 Hz
Response time of the K-Bus Interrupt	100 µs at 5 kHz input filter
Status display	Green LED
Galvanic isolation:	yes

Interfaces

System bus-interface:	Parallel Bus-interfaces, plug-in on side

Dimensions:

Footprint:	
Module height:	120 mm
Mounting depth:	100 mm
Front panel width:	22.5 mm
Module width (incl. K-Bus plug):	32.5 mm
Weight (DI 260/A):	130 g

Standards:

The module conforms to the norms:

General information	
UL 508	In preparation
Guideline 2002/95/EG	RoHS conformable

Product standard for programmable controllers:	
IEC 61131-1:2003	General information
IEC 61131-2:2003	Hardware

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