PCD3.E161

16 digital inputs, 24 VDC, 0.2 ms, source- or sinkoperation, ribbon cable connector

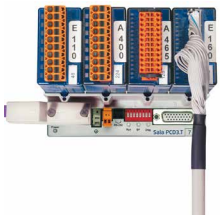
Low-cost input module for source or sink operation with 16 inputs, electrically connected. Suitable for most electronic and electromechanical switching elements at 24 VDC.

Technical data

Number of inputs	16, electrically connected source or sink operation
Input voltage	24 VDC(15 … 30 VDC) smoothed, max. 10 % ripple
Input current:	4 mA at 24 VDC
Input delay	typically 0.2 ms
Resistance to interference acc. to IEC 801-4	2 kV under capacitive coupling (whole trunk group)
Internal current consumption (from +5 V bus)	1 … 10 mA, typically 8 mA
Internal current consumption (from V+ bus)	0 mA
External current consumption	max. 64 mA (all inputs = 1) from 24 VDC
Terminals	34-pin ribbon cable connection for plug-in system cable PCD2.K2xx (plug type D)

A wide range of ready-made optional cables with 34-pin ribbon cable connectors on both sides or with loose ends on one side are available in different lengths (type PCD2.K2xx). I/O connection adapter (type PCD2.K5xx) enables the connection of larger cable cross-sections and relays (type PCD2.K551/552).

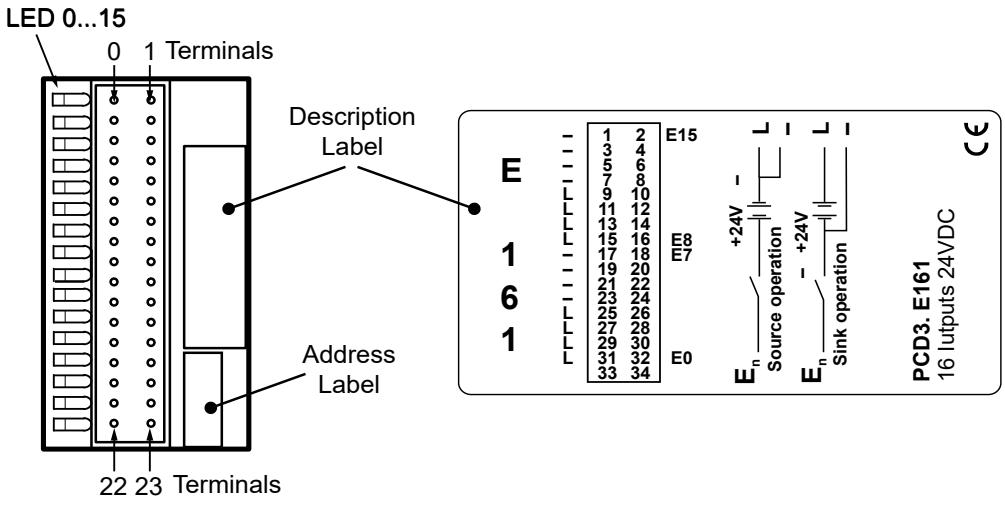
Further information can be found in the Manual on "System cables and connection system" 26-792.



PCD2.K23x

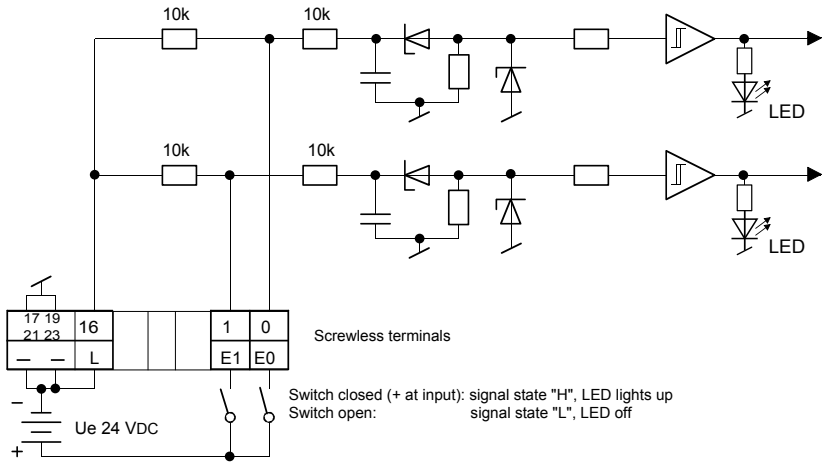
PCD2.K525

LEDs and connection terminals

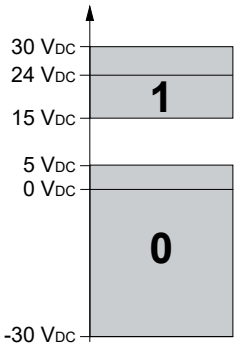


Output circuits and terminal designation

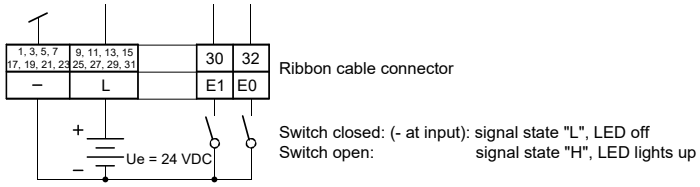
Source operation (positive logic):



Input level



Sink operation (negative logic):



Watchdog: This module can be used on all base addresses; there is no interaction with the watchdog on the CPUs. For details, see document "27-600 Manual I/O-Modules for PCD1 / PCD2 and PCD3", chapter "A4 Hardware Watchdog". It describes the correct use of the watchdog in conjunction with PCD components.

I/O modules and I/O terminal blocks may only be plugged in and removed when the Saia PCD® and the external + 24 V are disconnected from the power supply.

Further information can be found in the document "27-600 Manual I/O-Modules for PCD1 / PCD2 and PCD3".

Ordering information

Type	Short description	Description	Weight
PCD3.E161	Module with 16 digital inputs, 24 VDC, 0.2 ms with ribbon cable connector	Digital input module, 16 inputs, 24 VDC, source and sink operation, 0.2 ms input delay, ribbon cable connector for PCD2.K2xx (Stecker Typ D)	80 g

Ordering information equipment

Type	Short description	Description	Weight
PCD2.K221/K223	Plug-in system cable for digital modules with 16 I/Os, PCD2.K221 = 1,5 m / PCD2.K223 = 3 m	Sheathed, round cable, (type D), PCD side: 34-pole ribbon cable connector, Process side: strand ends free, colour-coded	230 / 330 g
PCD2.K231/K232	Plug-in system cable for terminal adapters für Klemmenadapter PCD2.K520/..K521/..K525, PCD2.K231 = 1 m / PCD2.K232 = 2 m	Sheathed, round cable, (type D), PCD side: 34-pole ribbon cable connector, Process side: 34-pole ribbon cable connector,	140 / 220 g
PCD2.K241/K242	Plug-in system cable for two terminal adapters PCD2.K51x, PCD2.K241 = 1 m / PCD2.K242 = 2 m	Sheathed, round cable, (type D), PCD side: 34-pole ribbon cable connector, Process side: two 16-pole ribbon cable connector	120 / 200 g

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