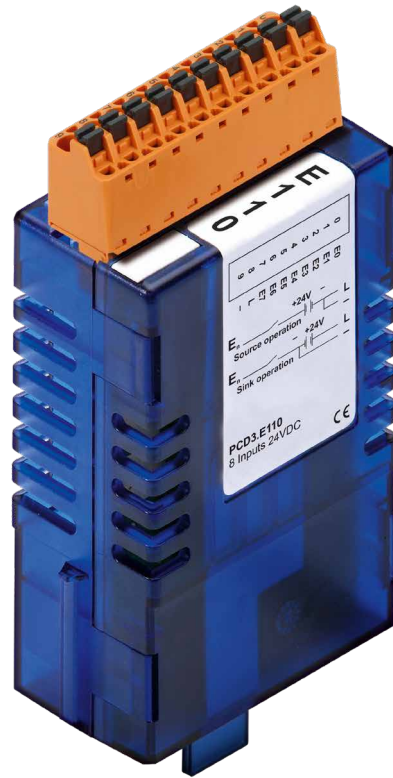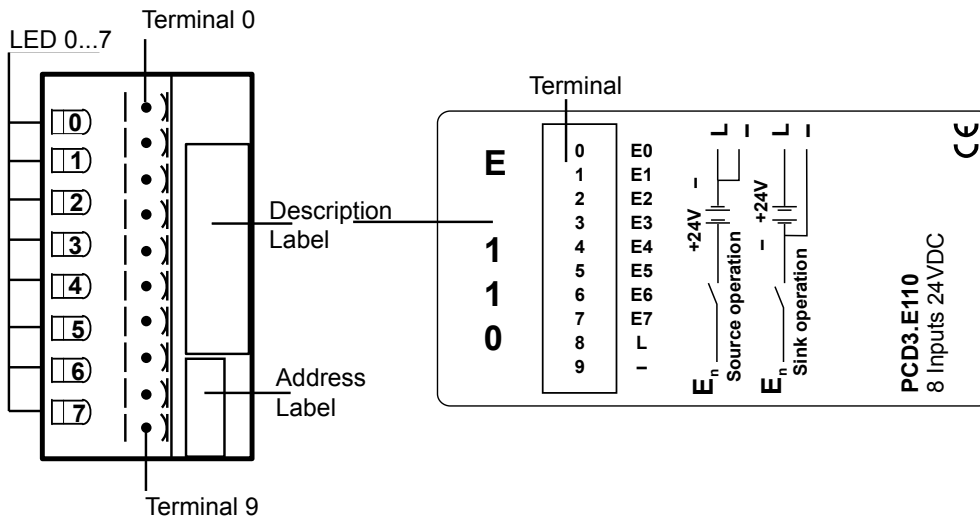# PCD3.E110

8 digital inputs, 24 VDC, 8 ms, source- and sinkoperation

Low-cost input module for source or sink operation with 8 inputs, electrically connected. Suitable for most electronic and electromechanical switching elements at 24 VDC.
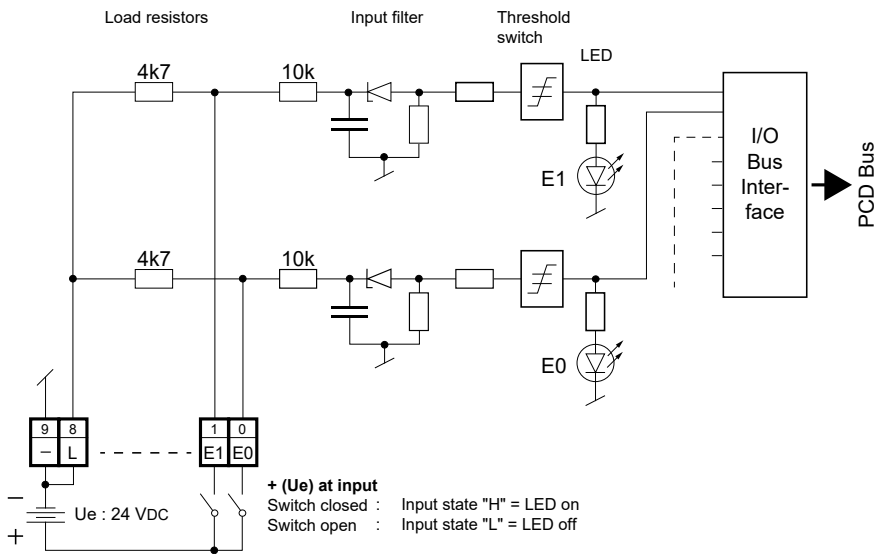
Technical data

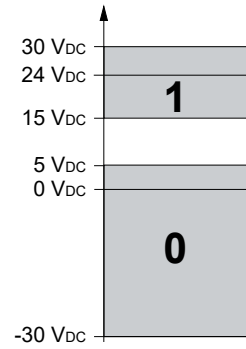|	
Number of inputs	8, electrically connected source or sink operation
Input voltage	24 VDC (15 … 30 VDC) smoothed or pulsed
Input current:	6 mA at 24 VDC
Input delay	typically 8 ms
Resistance to interference acc. to IEC 801-4	2 kV under capacitive coupling (whole trunk group)
Internal current consumption (from +5 V bus)	1 … 24 mA, typically 12 mA
Internal current consumption (from V+ bus)	0 mA
External current consumption	max. 48 mA (all inputs = 1) from 24 VDC
Terminals	Plug-in I/O spring terminal block, 10-pole up to 2.5 mm^2, labelled 0 to 9, connector type A (4 405 4954 0)

LEDs and connection terminals
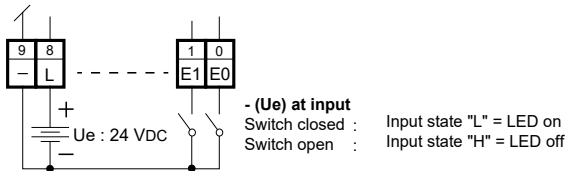
Output circuits and terminal designation

Source operation (positive logic):

+ (Ue) at input
Switch closed : Input state "H" = LED on
Switch open : Input state "L" = LED off

Input level

30 VDC	
24 VDC	**1**
15 VDC	
5 VDC	
0 VDC	
	0
-30 VDC	

Sink operation (negative logic):

- (Ue) at input
Switch closed : Input state "L" = LED on
Switch open : Input state "H" = LED off

! **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.

i 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.E110	8 digital inputs module, 24 VDC, 8 ms	Digital input module, 8 inputs, 24 VDC, source and sink operation, 8 ms input delay, connection with pluggable spring terminals, plug-in type A, (4 405 4954 0) included	80 g

Ordering information equipment

Type	Short description	Description	Weight
4 405 4954 0	Plug-in, type A	Plug-in I/O spring terminal block, 10-pole up to 2.5 mm², labelled 0 to 9, connector type A	15 g