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 mm², labelled 0 to 9, connector type A

**LEDs and connection terminals**

The image shows the layout of the LEDs and connection terminals, with labels for each terminal and input. The diagram illustrates the connection points and labels for easy understanding. The terminals are numbered from 0 to 9, and the LEDs (LED 0...7) are shown above the terminals. The description and label are also indicated next to the terminals.
Input circuits and terminal designation

Source operation (positive logic):

Sink operation (negative logic):

**Watchdog:** This module can be used on all base addresses; there is no interaction with the watchdog on the CPUs.

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

Order details

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCD3.E110</td>
<td>8 digital inputs module, 24 VDC, 8 ms</td>
<td>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</td>
<td>80 g</td>
</tr>
</tbody>
</table>

Order details accessories

<table>
<thead>
<tr>
<th>Type</th>
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<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 405 4954 0</td>
<td>Plug-in, type A</td>
<td>Plug-in I/O spring terminal block, 10-pole up to 2.5 mm², labelled 0 to 9, connector type A</td>
<td>15 g</td>
</tr>
</tbody>
</table>
ATTENTION
These devices must only be installed by a professional electrician, otherwise there is the risk of fire or the risk of an electric shock.

WARNING
Product is not intended to be used in safety critical applications, using it in safety critical applications is unsafe.

WARNING - Safety
The unit is not suitable for the explosion-proof areas and the areas of use excluded in EN61010 Part 1.

WARNING - Safety
Check compliance with nominal voltage before commissioning the device (see type label).
Check that connection cables are free from damage and that, when wiring up the device, they are not connected to voltage.
Do not use a damaged device!

NOTE
In order to avoid moisture in the device due to condensate build-up, acclimatise the device at room temperature for about half an hour before connecting.

CLEANING
The device can be cleaned in dead state with a dry cloth or cloth soaked in soap solution.
Do not use caustic or solvent-containing substances for cleaning.

MAINTENANCE
These devices are maintenance-free.
If damaged, no repairs should be undertaken by the user.

GUARANTEE
Opening the module invalidates the guarantee.

Observe this instructions (data sheet) and keep them in a safe place.
Pass on the instructions (data sheet) to any future user.

WEEE Directive 2012/19/EC Waste Electrical and Electronic Equipment directive
The product should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health.

EAC
EAC Mark of Conformity for Machinery Exports to Russia, Kazakhstan or Belarus.
Sales and Service
For application assistance, current specifications, pricing, or name of the nearest Authorized Distributor, contact one of the offices below.

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Specifications are subject to change without notice.