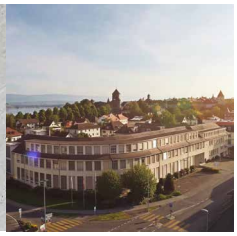
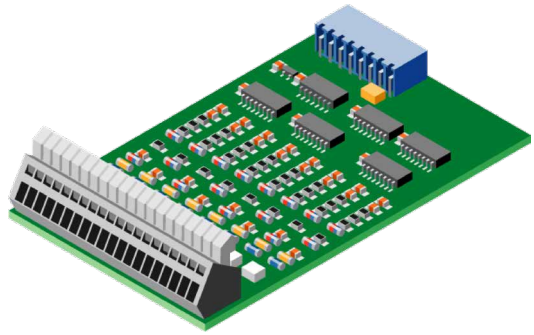
PCD2.E165

16 digital inputs, 24 VDC, 8 ms, source- or sinkoperation



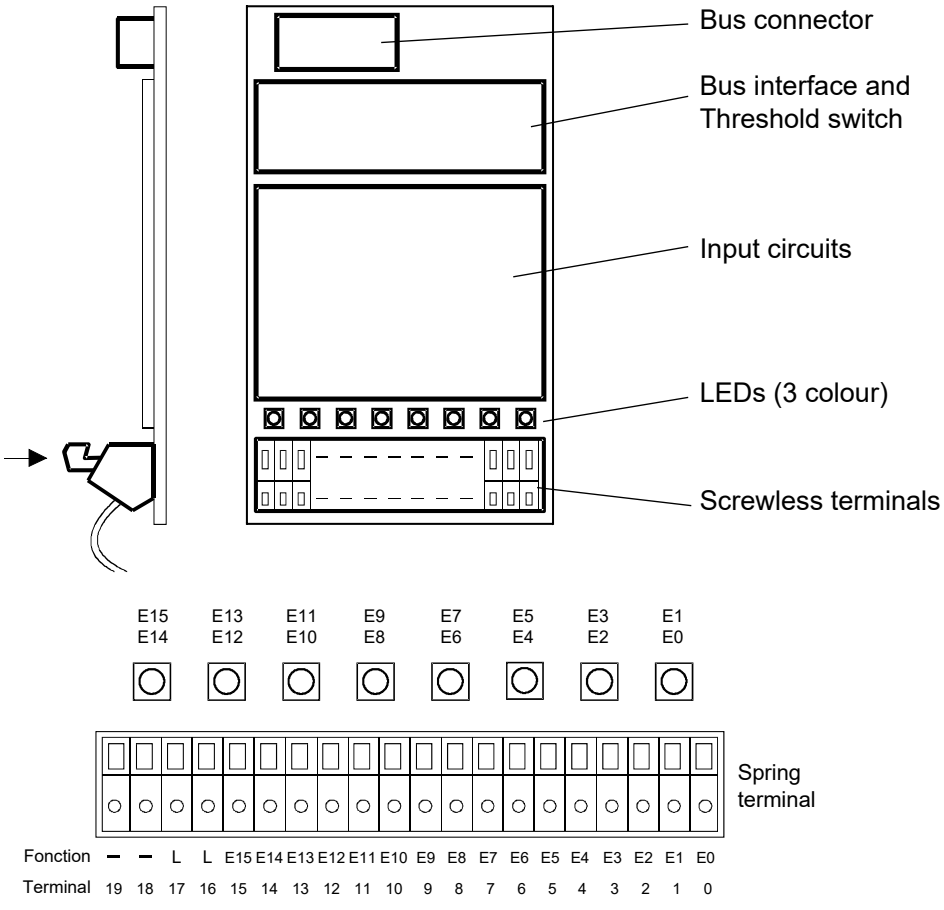
Low-cost input module for source or sink operation with 16 inputs, electrically connected.
Suitable for most electronic and electromechanical switching elements at 24 VDC.



PCD2.E165

Technical data	
Number of inputs	16 electrically connected, source or sink operation
Input voltage	24 VDC (15 … 30 VDC) smoothed or pulsed
Input current:	4 mA per input at 24 VDC
Input delay	typically 8 ms
Resistance to interference acc. to IEC 1000-4-4	2 kV under capacitive coupling (whole trunk group)
Internal current consumption (from +5 V bus)	1…72 mA typically 36 mA
Internal current consumption (from V+ bus)	0 mA
External current consumption	max. 64 mA (all inputs=1) at 24 VDC
Terminals	Spring terminal connection (not pluggable), for wires up to max. 0.5 mm² (1 × AWG 20)

LEDs and connection terminals

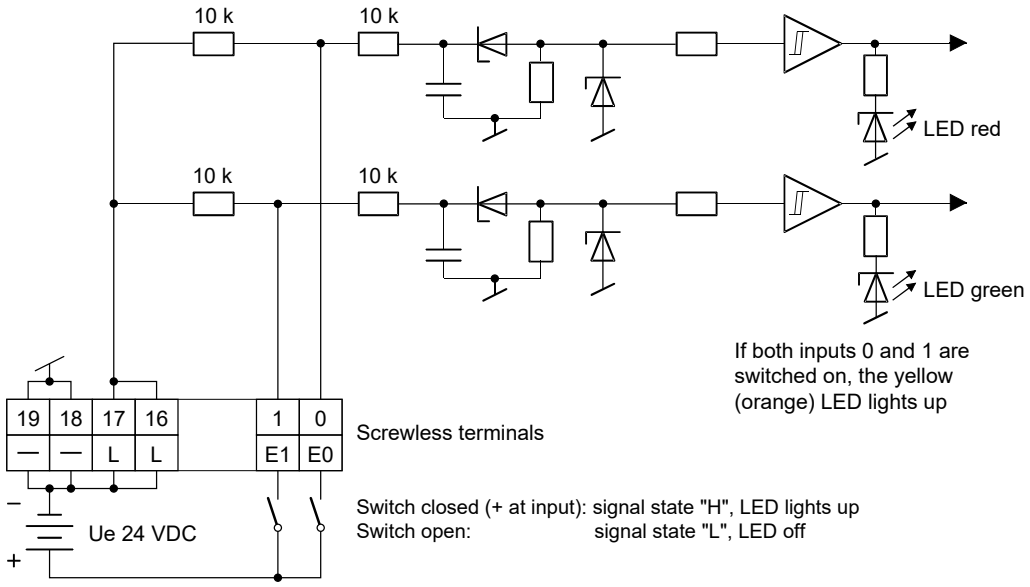


For every 2 inputs, a 3-colour LED is fitted:

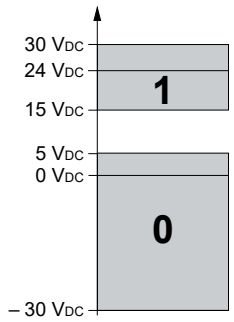
LED is	E0	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15
off	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
red	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
green	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
yellow	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Input circuits and terminal designation

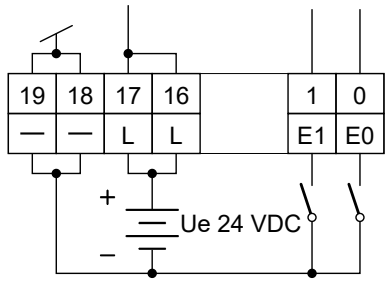
Source operation (positive logic):



Input level



Sink operation (negative logic):



Screwless terminals

Switch closed (- at input): signal state "L", LED off
Switch open: signal state "H", LED lights up

!	**Watchdog:** This module can interact with the watchdog, if it is used on base address 240. In this case, the last input with address 255 cannot be used.
!	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 ENG Manual I/O-Modules for PCD1 / PCD2 and PCD3"

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 EN 61010 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.

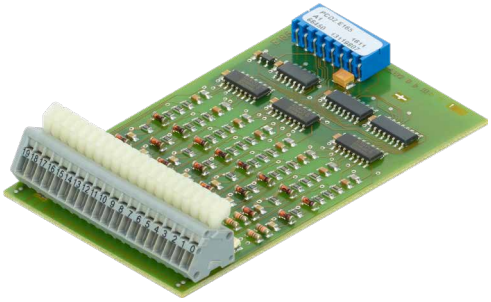
MAINTENANCE

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

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 Mark of Conformity for Machinery Exports to Russia, Kazakhstan or Belarus.



PCD2.E165

Order details

Type	Short description	Description	Weight
PCD2.E165	Digital input module, 16 inputs, 24 VDC	Digital input module, 16 inputs, 24 VDC, source and sink operation, 8 ms input delay	40 g

Saia-Burgess Controls AG
Bahnhofstrasse 18 | 3280 Murten, Switzerland
T +41 26 580 30 00 | F +41 26 580 34 99
www.saia-pcd.com
support@saia-pcd.com | www.sbc-support.com