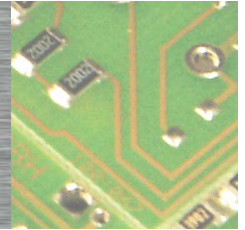# Data Sheet

Honeywell

PCD3.A410

8 digital outputs, 0.5 A for each, electrically isolated

Output module, electrically isolated from the CPU, with 8 MOSFET transistor outputs, without short-circuit protection. Voltage range 1 … 32 VDC.
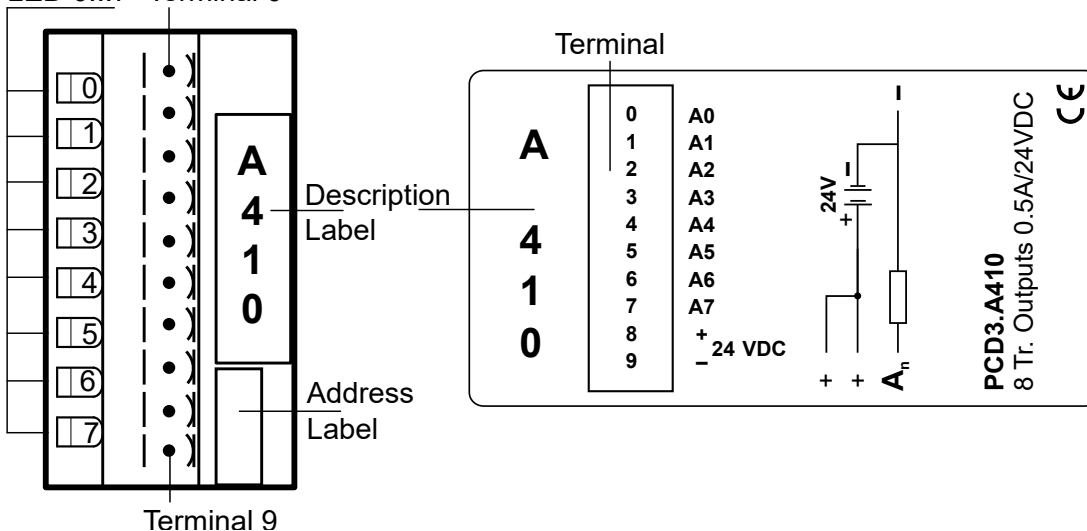
Technical data

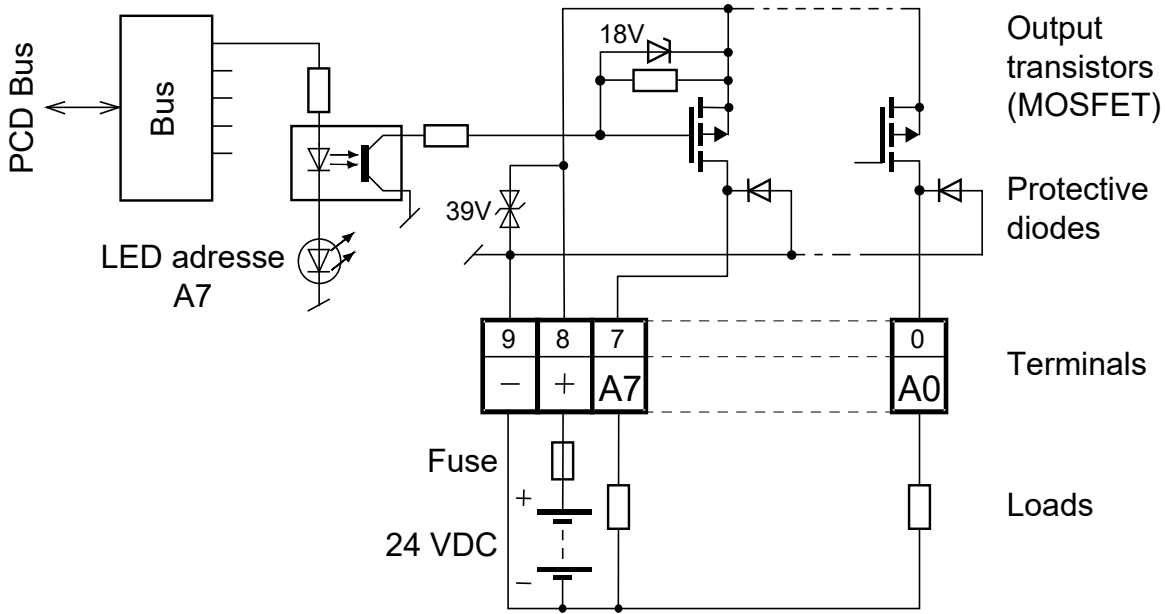|	
Number of outputs	8, electrically isolated
Output current	5 mA…500 mA (leakage current max. 0,1 mA) Within the voltage range 5…24 VDC, the load resistance should be at least 48 Ω
Total current per module	4 A on 100% duty cycle
Operating mode	Source operation (positive switching)
Voltage range	5…32 VDC, smoothed 10…25 VDC, pulsed
Voltage drop	≤ 0.4 V at 0.5 A
Output delay	Switch-on delay typically 10 µs Switch-off delay typically 50 µs (ohmic load 5 mA…500 mA), longer with inductive load, because of the protective diode.
Resistance to interference acc. to IEC 801-4	4 kV under direct coupling 2 kV under capacitive coupling (whole trunk group)
Isolation voltage	1000 VAC, 1 min
Internal current consumption (from +5 V bus)	1…24 mA, typically 15 mA
Internal current consumption (from V+ bus)	0 mA
External current consumption	Load current
Terminals	Plug-in I/O spring terminal block, 10-pole up to 2.5 mm², labelled 0 to 9, connector type A (4 405 4954 0)

PCD3.A410

LEDs and connection terminals

Output circuits and terminal designation

!	**Fuse:**	It is recommended that each module should be separately protected with a fast-blow (S) fuse of max. 4 A.

!	**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.

PCD3.A410

4 405 4954 0

Order details

Type	Short description	Description	Weight
PCD3.A410	8 digital outputs for 0.5 A each, electrically isolated	Digital output module, 8 outputs, transistors, electrically isolated, 1 … 32 VDC / 0.5 A, connection with pluggable spring terminals, plug-in type A, (4 405 4954 0) included	100 g

Order details accessories

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

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.

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 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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WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is **in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose.** Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications are subject to change without notice.

For more information

Learn more about ControlEdge PCD, visit our
website www.honeywellprocess.com/ControlEdgePCD
or contact your Honeywell account manager.

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