PCD3.W600
Analog output module, 4 channel, 12 Bit, 0 ... 10 V

High-speed output module for general use with 4 channels, each with 12 bit resolution and voltage 0 ... 10 V.

### Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of outputs (channels)</td>
<td>4, short circuit protected</td>
</tr>
<tr>
<td>Signal range</td>
<td>0 ... 10 V</td>
</tr>
<tr>
<td>Resolution (value of least significant bit (LSB))</td>
<td>2.442 mV</td>
</tr>
<tr>
<td>Galvanic separation</td>
<td>no</td>
</tr>
<tr>
<td>Resolution (representation)</td>
<td>12 bit (0 ... 4095)</td>
</tr>
<tr>
<td>Conversion time A/D</td>
<td>typically 10 μs</td>
</tr>
<tr>
<td>Load impedance</td>
<td>&gt; 3 kΩ</td>
</tr>
<tr>
<td>Repeating accuracy</td>
<td>± 0.5 %</td>
</tr>
<tr>
<td>Temperature error (over temperature range 0 ... +55 °C)</td>
<td>± 0.1 %</td>
</tr>
<tr>
<td>Internal current consumption (from +5 V bus)</td>
<td>max. 4 mA</td>
</tr>
<tr>
<td>Internal current consumption (from V+ bus)</td>
<td>max. 20 mA</td>
</tr>
<tr>
<td>External current consumption</td>
<td>0 mA</td>
</tr>
<tr>
<td>Terminals</td>
<td>Pluggable 10-pole spring terminal block for Ø up to 2.5 mm², plug type A ((4 405 4954 0)</td>
</tr>
</tbody>
</table>

### Block schematic

![Block schematic](image)

### Indicators and connections

![LEDs and connections](image)
I/O modules and I/O terminal blocks may only be plugged in and removed when the CPU and the external +24 V are disconnected from the power supply.

Principle diagram of analog outputs

Output connection for 0 … 10 V

During start-up, a voltage of 5 V is sent to all outputs of the W600 module. The start-up phase lasts 40 ms, then 0 V is sent to the outputs.

The external power supply of 24 VDC at terminals 8 and 9 is not required.
Connection concept

The voltage input signals are connected directly to the 10-pole terminal block. To minimize the amount of interference coupled into the module via the transmission lines, connection should be made according to the principle explained below.

Connection for 0…10 V
### Ordering information

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCD3.W600</td>
<td>4 analogue outputs, 12 bit. 0…10 V</td>
<td>Analogue output modules, 4 inputs (channels), resolution 12 bit, signal range 0…10 V. The channels themselves not separated. Connection with pluggable spring terminals, plug-in type A (4 405 4954 0) included</td>
<td>80 g</td>
</tr>
</tbody>
</table>

### Ordering information equipment

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<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 … 9</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 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
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.

**ASIA PACIFIC**
Honeywell Process Solutions,
(TAC) hfs-tac-support@honeywell.com

**EMEA**
Honeywell Process Solutions,
Phone: +80012026455 or +44 (0)1344 656000

**AMERICA’S**
Honeywell Process Solutions,
Phone: (TAC) 1-800-423-9883 or 215/641-3610
(Sales) 1-800-343-0228

**Australia**
Honeywell Limited
Phone: +(61) 7-3846 1255
FAX: +(61) 7-3840 6481
Toll Free 1300-36-39-36
Toll Free Fax: 1300-36-04-70

**China – PRC - Shanghai**
Honeywell China Inc.
Phone: (86-21) 5257-4568
Fax: (86-21) 6237-2826

**Singapore**
Honeywell Pte Ltd.
Phone: +(65) 6580 3278
Fax: +(65) 6445-3033

**South Korea**
Honeywell Korea Co Ltd
Phone: +(822) 799 6114
Fax: +(822) 792 9015

**Specifications are subject to change without notice.**