Low cost output module with 16 transistor outputs
5 ... 500 mA, with short-circuit protection.
The individual circuits are electrically connected; the voltage
range is 10 ... 32 VDC.

### Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of outputs</td>
<td>16, electrically connected</td>
</tr>
<tr>
<td>Output current</td>
<td>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</td>
</tr>
<tr>
<td>Short circuit protection</td>
<td>yes</td>
</tr>
<tr>
<td>Total current per module</td>
<td>8 A on 100 % duty cycle</td>
</tr>
<tr>
<td>Operating mode</td>
<td>Source operation (positive switching)</td>
</tr>
<tr>
<td>Voltage range</td>
<td>10...32 VDC, smoothed, max. 10 % residual ripple</td>
</tr>
<tr>
<td>Voltage drop</td>
<td>≤ 0.3 V at 0.5 A</td>
</tr>
<tr>
<td>Output delay</td>
<td>typically 50 μs, max. 100 μs for resistive load</td>
</tr>
<tr>
<td>Resistance to interference acc.</td>
<td>4 kV under direct coupling</td>
</tr>
<tr>
<td>to IEC 801-4</td>
<td>2 kV under capacitive coupling (whole trunk group)</td>
</tr>
<tr>
<td>Internal current consumption</td>
<td>max 10 mA (all outputs = “1”)</td>
</tr>
<tr>
<td>(from +5 V bus)</td>
<td>typically 8 mA</td>
</tr>
<tr>
<td>Internal current consumption</td>
<td>0 mA</td>
</tr>
<tr>
<td>(from V+ bus)</td>
<td></td>
</tr>
<tr>
<td>External current consumption</td>
<td>Load current</td>
</tr>
<tr>
<td>Terminals</td>
<td>Pluggable 24-pole spring terminal block (4 405 4956 0), for Ø up to 1 mm²</td>
</tr>
</tbody>
</table>

### LEDs and connection terminals

#### Address Label

#### Description Label

#### Terminal Layout

#### Connection Diagram

![Connection Diagram]

PCD3.A465

16 digital outputs, 0.5 A for each
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 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 Control Edge PCD and the external +24 V are disconnected from the power supply.**

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**Order details**

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCD3.A465</td>
<td>16 digital outputs for 0.5 A each</td>
<td>Digital output module, 16 outputs, transistors, 10...32 VDC/0.5 A, connection with spring terminals</td>
<td>80 g</td>
</tr>
</tbody>
</table>

**Order details accessories**

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 405 4956 0</td>
<td>Plug-in, type C</td>
<td>Plug-in I/O spring terminal block, 2 × 12-pole up to 1.0 mm², labelled 0 to 23, for modules with 16 I/Os or relay module PCD3.A251, connector type &quot;C&quot;</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 transportation or storage, 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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(TAC) hfs-tac-support@honeywell.com

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

**China – PRC - Shanghai**
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Fax: (86-21) 6237-2826

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

Email: (Sales) FP-Sales-Apps@Honeywell.com
or (TAC) hfs-tac-support@honeywell.com

Specifications are subject to change without notice.