Low cost output module with 6 transistor outputs 5 mA … 2 A, without short-circuit protection. The individual circuits are electrically connected; the voltage range is 10 … 32 VDC.

**Technical data**

- **Number of outputs**: 6, electrically connected
- **Output current**: 5 mA … 2 A (leakage current max. 0.1 mA)
- **Total current per module**: $6 \times 2 \, \text{A} = 12 \, \text{A}$ (on 100 % duty cycle)
- **Operating mode**: Source operation (positive switching)
- **Voltage range**: 10 … 32 VDC, smoothed
  - 10 … 25 VDC, pulsed
- **Voltage drop**: 0.2 V at 2 A
- **Output delay**: Switch-on delay <1 µs
  - Switch-off delay <200 µs
  - With inductive loads the delay is longer, because of the protective diode
- **Isolation voltage**: 1000 VAC, 1 min
- **Resistance to interference acc. to IEC 801-4**
  - 4 kV under direct coupling
  - 2 kV under capacitive coupling
  - (whole trunk group)
- **Internal current consumption (from +5 V bus)**: 1 … 20 mA; typically 12 mA
- **Internal current consumption (from V+ bus)**: 0 mA
- **External current consumption**: Load current
- **Terminals**: Type L: Pluggable 10-pole screw terminal block (4 405 4847 0), for wires up to 1.5 mm²

**LEDs and connection terminals**

- **Bus connector**
- **Bus interface**
- **Output transistors (MOSFET)**
- **Protective diodes**
- **LEDs**
- **Screw terminals**
- **Outputs**
- **Load supply**
Output circuits and terminal designation

Output conducting (set): LED on
Output disconnected (reset): LED off

**Fuse:** It is recommended that each module should be separately protected with a fast-blow (S) fuse of max. 12.5 A.

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Watchdog: This module can be used on all base addresses; there is no interaction with the watchdog on the CPUs. For details, please refer to the “Watchdog” section of the manual 26-856_ENG, which describes the correct use of the watchdog in conjunction with PCD2 components.

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.

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### Ordering information

<table>
<thead>
<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCD2.A300</td>
<td>6 digital outputs for 2 A each</td>
<td>Digital output module, 6 outputs, transistors, 10...32 VDC/2 A</td>
<td>45 g</td>
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</table>

### Accessories

<table>
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<tr>
<th>Type</th>
<th>Short description</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>4 405 4847 0</td>
<td>Plug-in, type L</td>
<td>Plug-in screw terminal block, 10-pin (type L) for wires up to 1.5 mm², labelling 0…9</td>
<td>17 g</td>
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