The module contains 4 relays with normally-open contacts for direct or alternating current up to 2 A, 250 VAC. The contacts are protected by a varistor and an RC element. The module is especially suited wherever perfectly isolated AC switching circuits with infrequent switching have to be controlled.

### Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of outputs</td>
<td>4, electrically isolated make contacts</td>
</tr>
<tr>
<td>Type of relay (typical)</td>
<td>RE 030024, SCHRACK</td>
</tr>
</tbody>
</table>
| Switching capacity (contact lifetime) | 2 A, 250 VAC AC1 0.7 × 10⁶ operations  
1 A, 250 VAC AC11 1.0 × 10⁶ operations  
2 A, 50 VDC DC1 0.3 × 10⁶ operations  
1 A, 24 VDC DC11 0.1 × 10⁶ operations |
| Relay coil supply                  | nominal 24 VDC smoothed or pulsed, 8 mA per relay coil |
| Voltage tolerance, dependent on ambient temperature | 20 °C: 17.0 ... 35 VDC  
30 °C: 19.5 ... 35 VDC  
40 °C: 20.5 ... 32 VDC  
50 °C: 21.5 ... 30 VDC |
| Output delay                       | typically 5 ms bei 24 VDC |
| 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 ... 15 mA  
typically 10 mA |
| Internal current consumption (from V+ bus) | 0 mA |
| External current consumption       | max. 32 mA |
| Terminals                          | Type L: Pluggable 10-pole screw terminal block (4 405 4847 0), for wires up to 1.5 mm² |

1) With external protective diode  
2) With reverse voltage protection  
3) These ratings are not UL-listed

### LEDs and connection terminals

- **Bus connector**
- **Bus interface**
- **Relays**
- **Contact protection**
- **LEDs**
- **Screw terminals**
- **Relay contacts**
- **Supply 24 VDC for Relay coils**

In the manual 27-600_ENG, in the Chapter appendix A.4 relay contacts, are calculation data and wiring suggestions or the relay contacts. These data should be absolutely considered for safe switching and a long life span of the relays.

**Installation instructions**

For reasons of safety it is not permissible to connect low voltages (up to 50 V) and higher voltages (50 ... 250 V) to the same module.

If a Saia PCD® module is connected to a higher voltage (50 ... 250 V), approved components for this voltage must be used for all elements that are electrically connected to the system.

Using higher voltage (50 ... 250 V), all connections to the relay contacts must be connected on the same circuit, i.e. in such a way that they are all protected against one AC phase by one common fuse. Each load circuit may also be protected individually.
Type | Short description | Description | Weight
--- | --- | --- | ---
PCD2.A200 | 4 relays with make contacts, with contact protection | Digital output module, 4 relays, 250 VAC/2 A, ‘make’ contact, contact protection | 60 g

Accessories

Type | Short description | Description | Weight
--- | --- | --- | ---
4 405 4847 0 | Plug-in, type L | Plug-in screw terminal block, 10-pin (type L) for wires up to 1.5 mm², labelling 0…9 | 17 g