

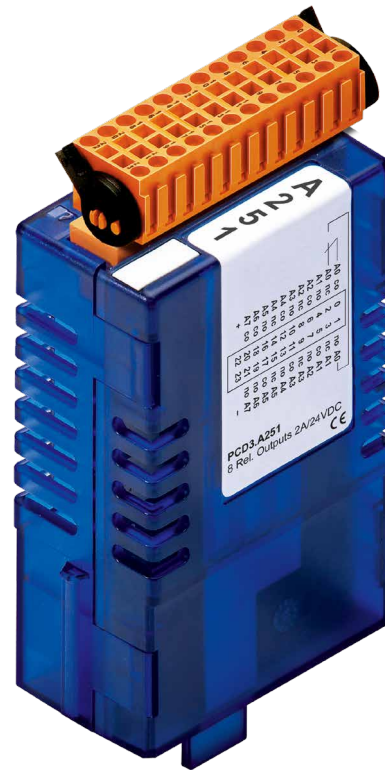
# PCD3.A251

Digital output module, 8 relays,  
6 with changeover contacts,  
2 with make contacts

The module contains 8 relays for direct or alternating current up to 2 A, 48 VAC. 6 of them have changeover contacts and 2 of them make contacts. The module is especially suited wherever AC switching circuits with infrequent switching have to be controlled. For space reasons, there is no integrated contact protection.

## Technical data

Number of outputs	6 changeover contacts and 2 make contacts	
Relais type	RE 01 4024, SCHRACK	
Operating mode	> 12 V, > 100 mA	
Switching capacity: *) (contact lifetime)	2 A, 48 VAC AC1 1 A, 48 VAC AC11 2 A, 50 VDC DC1 1 A, 24 VDC DC11	0.7 × 10 <sup>6</sup> operations 1.0 × 10 <sup>6</sup> operations 0.3 × 10 <sup>6</sup> operations <sup>3)</sup> 0.1 × 10 <sup>6</sup> operations <sup>1)3)</sup>
Relay coil supply <sup>2)</sup>	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 at 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 ... 25 mA typically 15 mA	
Internal current consumption (from V+ bus)	0 mA	
External current consumption	max. 64 mA	
Terminals	Pluggable 24-pole spring terminal block (4 405 4956 0), for Ø up to 1 mm <sup>2</sup>	
1) With external protective diode 2) With reverse voltage protection 3) These ratings are not UL-listed *) Higher voltages are not allowed for this module because clearances between circuit paths are too small.		



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. .

## LEDs and connection terminals

