

PCD3.A460

16 digital outputs, 0.5 A for each, with ribbon cable connector

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	
Number of outputs	16, electrically connected
Output current	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
Total current per module	8 A on 100 % duty cycle
Operating mode	Source operation (positive switching)
Voltage range	10 ... 32 VDC, max. 10 % ripple
Voltage drop	≤ 0.3 V at 0.5 A
Output delay	typ.50 μs, max. 100 μs under ohmic load
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)	max. 10 mA (all outputs = "1") typically 8 mA
Internal current consumption (from V+ bus)	0 mA
External current consumption	Load current
Terminals	34-pole ribbon cable connector



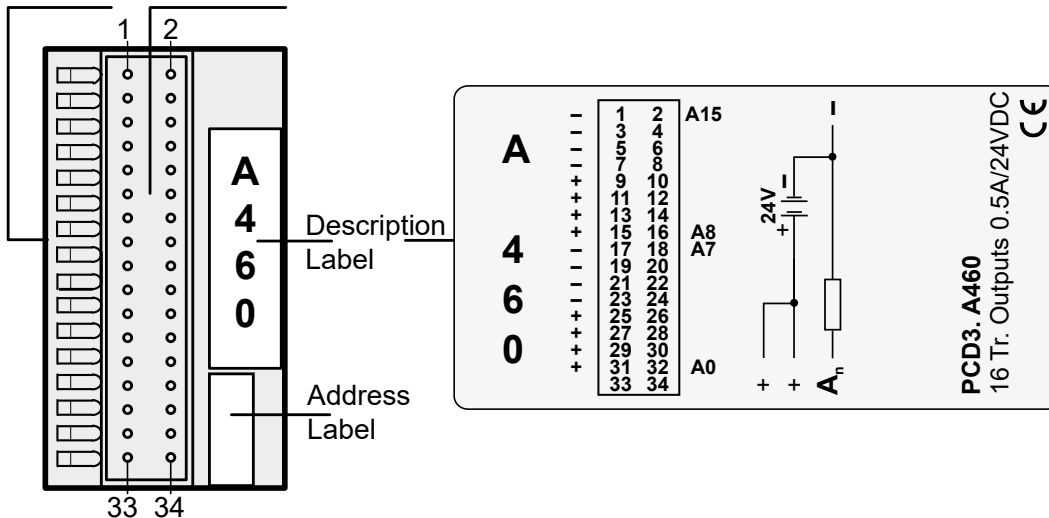
A wide range of ready-made optional cables with 34-pin ribbon cable connectors on both sides or with loose ends on one side are available in different lengths (type PCD2.K2xx). I/O connection adapter (type PCD2.K5xx) enables the connection of larger cable cross-sections and relays (type PCD2.K551/552).



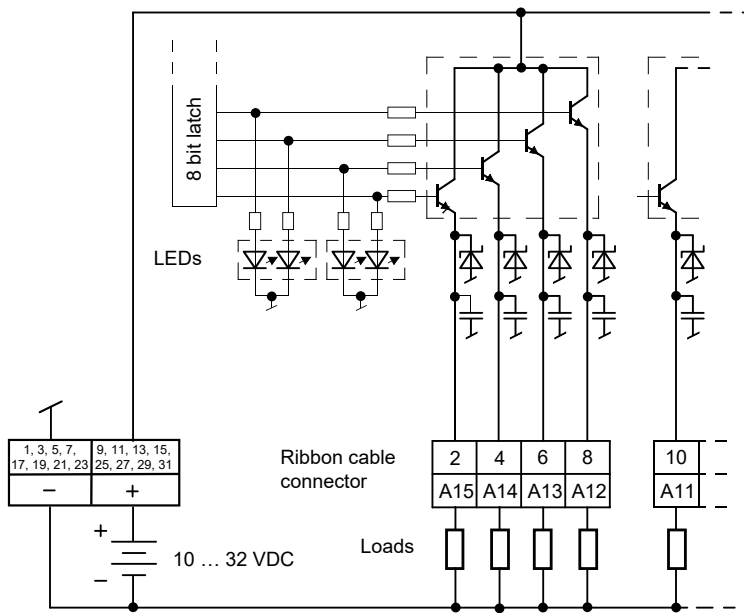
Further information can be found in the Manual on "System cables and connection system" 26-792.

LEDs and connection terminals

LED 0...15 Terminals



Output circuits and terminal designation



Fuse: It is recommended that each module should be separately protected with a fast-blow (S) fuse of max. 8 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. For more details, please refer the document "27-600 Manual I/O-Modules", which describes the correct use of the watchdog in conjunction with PCD 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.

Ordering information

Type	Short description	Description	Weight
PCD3.A460	16 digital outputs for 0.5 A each, with ribbon cable connector	Digital output module, 16 outputs, transistors, 10...32 VDC / 0.5 A, connection with 34-pole ribbon cable connector type D, for plug-in system cable PCD2.K2xx	80 g

Ordering information equipment

Type	Short description	Description	Weight
PCD2.K221/K223	Plug-in system cable for digital modules with 16 I/Os. length PCD2.K221 = 1,5 m length PCD2.K223 = 3 m	Sheathed, round cable, (plug type D); PCD side: 34-pole ribbon cable connector Process side: strand ends free, colour-coded	230 g 330 g
PCD2.K231/K232	Plug-in system cable for terminal adapters PCD2.K520/..K521/..K525. length PCD2.K231 = 1 m length PCD2.K232 = 2 m	Sheathed, half-round cable, (plug type D); PCD side: 34-pole ribbon cable connector Process side: 34-pole ribbon cable connector	140 g 220 g
PCD2.K241/K242	Plug-in system cable for 2 terminal adapters PCD2.K51x or relay interface PCD2.K55x. length PCD2.K241 = 1 m length PCD2.K242 = 2 m	Sheathed, half-round cable, (plug type D); PCD side: 34-pole ribbon cable connector Process side: two 16-pole ribbon cable connectors	120 g 200 g

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