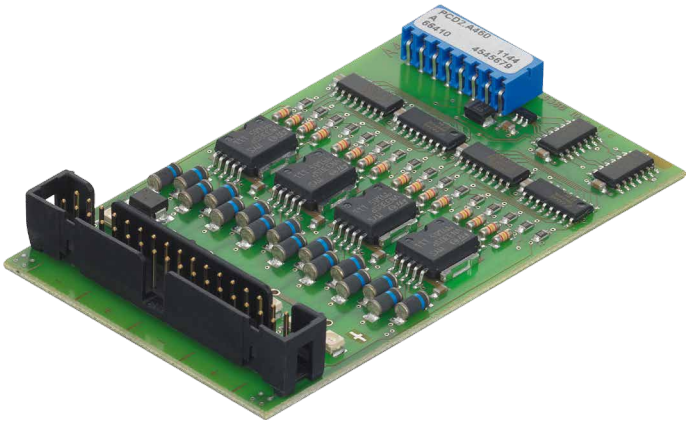
SAIA BURGESS CONTROLS



PCD2.A460

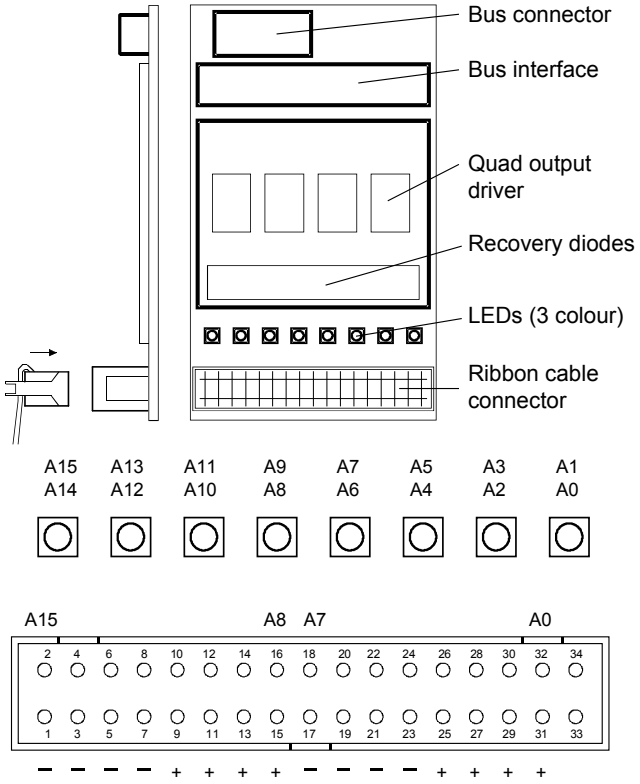
16 digital outputs for 0.5 A each, with ribbon connector

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 … 500 mA (leakage current max. 0,1 mA.) Within the voltage range 5 … 24 VDC, the load resistance should be at least 48 Ω
Short circuit protection	yes
Total current per module	8 A on 100 % duty cycle
Operating mode	Source operation (positive switching)
Voltage range	10…32 VDC, smoothed, max. 10 % residual ripple
Voltage drop	≤ 0,3 V at 0,5 A
Output delay	typically 50 µs, max. 100 µs for resistive 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 74 mA (all outputs = "1") typically 40 mA
Internal current consumption (from V+ bus)	0 mA
External current consumption	Load current
Terminals	34-pole ribbon cable connector

LEDs and connection terminals



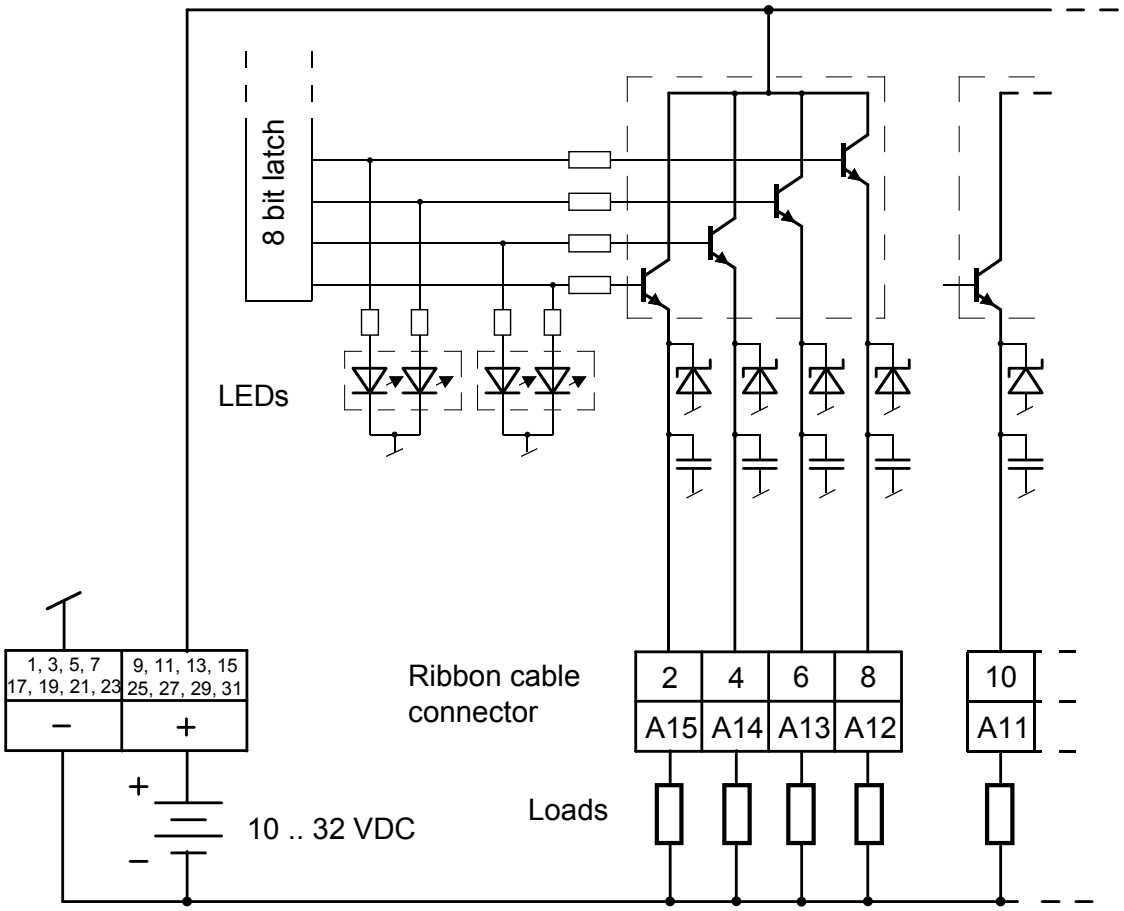
For every 2 outputs, a 3-colour LED is fitted:

LED																		
	A0	**A1**	**A2**	**A3**	**A4**	**A5**	**A6**	**A7**	**A8**	**A9**	**A10**	**A11**	**A12**	**A13**	**A14**	**A15**
off	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
red	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
green	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
yellow	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Saia Burgess Controls provides a wide range of pre-configured cables with a 34-pole ribbon connector at one or both ends.
These connection cables can be plugged at one end into the PCD2.A460 I/O module and at the other end into an I/O terminal adapter.

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

Output circuits and terminal designation



Watchdog: This module can interact with the watchdog.

For details, please refer to the "Watchdog" section of the manual 27-600_ENG, which describes the correct use of the watchdog in conjunction with Saia 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
PCD2.A460	16 digital outputs for 0.5 A each, with ribbon connector	Digital output module, 16 outputs, transistors, 10…32 VDC/0.5 A, ribbon cable connector for PCD2.K2xx	40 g

Accessories

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, (type D); PCD side: 34-pole ribbon cable connector Process side: strand ends free, colour-coded	230 / 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, (type D); PCD side: 34-pole ribbon cable connector Process side: 34-pole ribbon cable connector	140 / 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, (type D); PCD side: 34-pole ribbon cable connector Process side: two 16-pole ribbon cable connectors	120 / 200 g

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