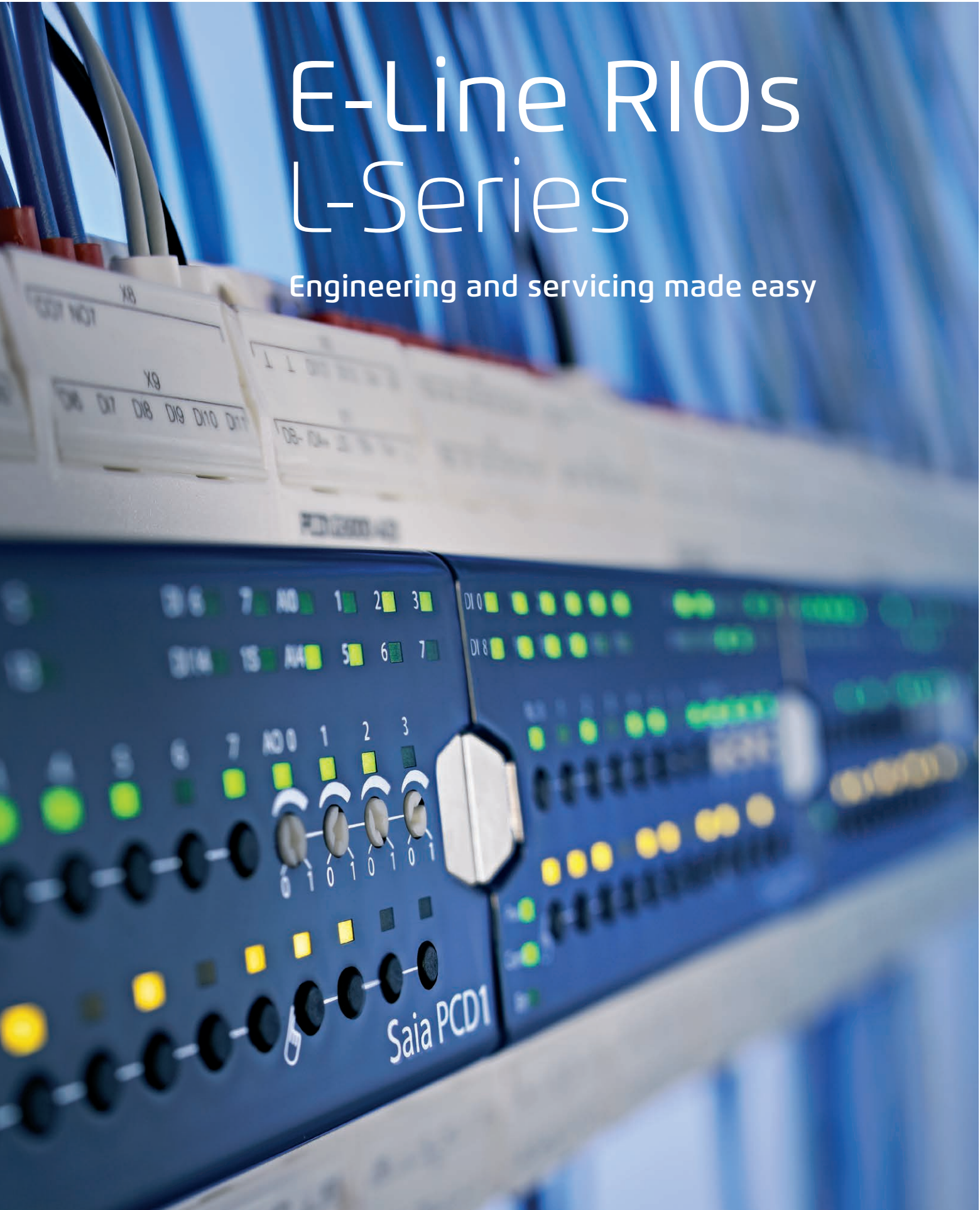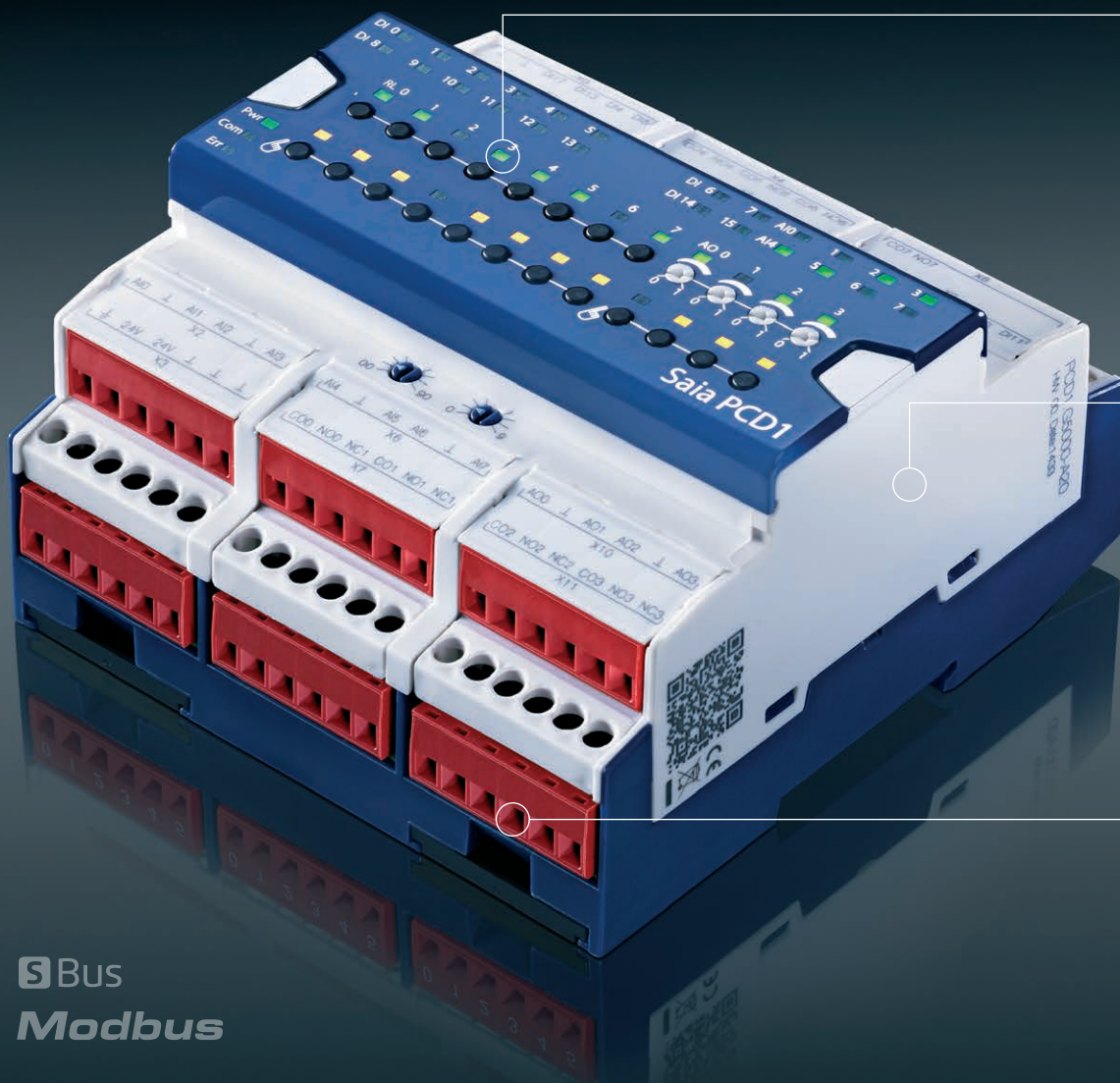sbc
SAIA BURGESS CONTROLS

E-Line RIOs
L-Series

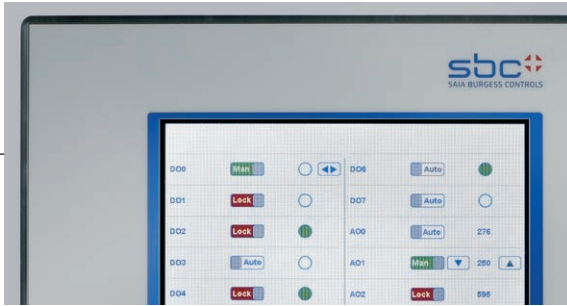## Engineering and servicing made easy

S Bus
Modbus

Reliable technology with a small footprint

The compact Saia PCD I/O modules offer an excellent mix of inputs and outputs for your facility. Modules here have an up to four times faster reaction speed compared with other S-Bus devices. The «Made in Switzerland» industrial quality, together with the galvanically isolated RS-485 interface, guarantee a high level of system stability and a long service life, regardless of whether it is fitted centrally in a control cabinet or remotely hundreds of metres away.

In addition, the S-Series, with 6 to 20 practically tailored data points per module, complements the portfolio. The bridge connector for power supply and the bus makes commissioning easy and requires no tools.
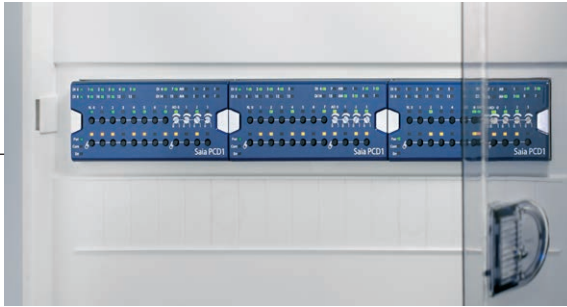
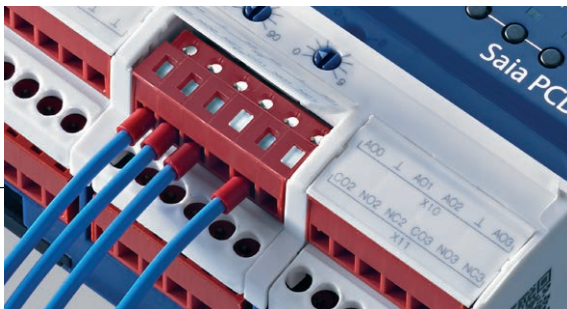## Manual operation, can also be operated remotely

Rapid commissioning and reliable operation of your systems are guaranteed thanks to the local override operation. Depending on the safety level configured, the values can be changed with the buttons directly on the module or also via a touch panel or via the Web browser.

Compact, space-saving design with appropriate I/O mix

The extremely compact design means that it can both be installed in the smallest of spaces and also use cheap electric sub-distributors in accordance with DIN 43880. The mix of data points optimised for applications in the building services also reduces the number of modules required for each system.
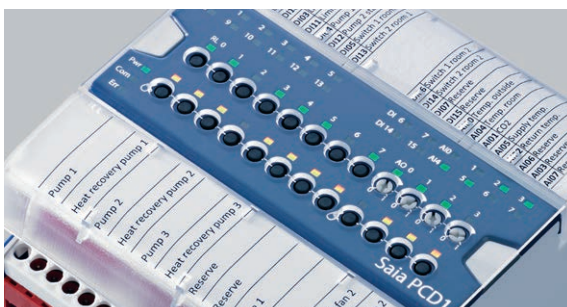
Easy wiring and commissioning

Wiring is fast and efficient thanks to modern push-in terminals. No tools needed. In addition to its compact design, each input and output has a status display which makes commissioning and servicing easier.

Fast engineering thanks to prepared templates

Programming is considerably faster and easier thanks to the FBox libraries and Saia PG5 web editor templates developed for the E-line. The engineering process is more efficient. You need less time and the process is less prone to errors.

Ample labelling makes operation and servicing easier

In the automation control cabinet the extensive labelling options directly on the device increase clarity and make operation easier for engineers and servicing. In addition, covers protect against accidental activation of the override operation.

General data

Feed-in voltage	24 VDC
Communication	RS-485, S-Bus, Modbus, software-configurable Bit rate: 9,600, 19,200, 38,400, 57,600, 115,200 bps (autobauding) Integrated termination resistor
Terminals	Push-in spring-loaded terminals, max. 1.5 mm^2

L-Series ordering information

Type	Digital input	Relay (NO/changeover)	Analogue input	Analogue output	Manual override operation	Width
PCD1.B1000-A20	4	10 (6/4)	–	–	Yes	6 units (105 mm)
PCD1.B1010-A20	24	10 (6/4)	–	–	Yes	6 units (105 mm)
PCD1.B1020-A20	16	4 (0/4)	–	–	Yes	6 units (105 mm)
PCD1.G5000-A20	16	8 (4/4)	8	4	Yes	6 units (105 mm)
PCD1.G5010-A20	12	4 (0/4)	12	8	Yes	6 units (105 mm)
PCD1.G5020-A20	8	4 (0/4)	16	4	Yes	6 units (105 mm)

S-Series ordering information

Type	Digital input (DI), universal input (UI)	Relay, triac Digital output (DO)	Analogue output	Manual override operation	Width
PCD1.A1000-A20	–	10 DO 24 VDC, 0.5 A	–	Yes	6 units (105 mm)
PCD1.A2000-A20	–	6 relays 230 V, 16 A	–	Yes	6 units (105 mm)
PCD1.B1100-A20	4 DI	10 relays (6 NO, 4 CO)	–	Yes	6 units (105 mm)
PCD1.B1120-A20	16 DI	4 relays change over	–	Yes	6 units (105 mm)
PCD1.B5000-A20	6 DI 230 V	3 relays 230 V, 6 A	–	Yes	6 units (105 mm)
PCD1.B5010-A20	6 DI 24 VAC/DC	3 relays 230 V, 6 A	–	Yes	6 units (105 mm)
PCD1.E1000-A10	12 DI 24 VDC	–	–	–	6 units (105 mm)
PCD1.G2000-A20	6 UI	2 triacs 24…230 VAC, 1 A	2	Yes	6 units (105 mm)
PCD1.G2100-A10	8 UI	–	–	–	6 units (105 mm)
PCD1.G2200-A20	8 UI	–	4	Yes	6 units (105 mm)
PCD1.W5200-A20	–	–	8	Yes	6 units (105 mm)

UI: configurable for 0…10 V, temperature sensors NTC, PT, NI, digital input 24 VDC. See data sheet for details.

Accessories

PCD1.K0206-005	E-Line labelling set 5 × 6 units
PCD1.K0206-025	E-Line labelling set 5 × 6 units, perforated

Swiss made