Manual

![sbc – SAIA BURGESS CONTROLS]

System cables and adapters for PCD1/PCD2/PCD3 Series

Document 26-792 │ Edition ENG07 │ 2018-09-19

0.1   Document History

Date	Version	Changes	Remarks
EN01	2000-07-21	old 1.2.4	Relay interface with relay type G2RL-1
EN02	2004-02-28	old 1.2.4	Jumper on adapter PCD2.K525
EN03	2008-12-23	complete	added the cables PCD3.K8xx and the adaptor PCD2.K552
EN03	2009-03-03	Ch 3	K520 and K525, pin 29/31 on L/+
EN04	2011-06-20 2012-02-17	Ch 3	Ribbon connector K525: 34-pole, not 16-pole PCD2.K525: No Sink Operation for inputs
EN05	2013-11-15	-	Change of logo
EN06	2014-05-15	Ch 2	New cables PCD3.K26x and PCD3.K28x
ENG07	2018-09-19	Ch A Ch 1.2	- New phone number - List with outphased products added

0.2   Brands and trademarks

Saia PCD® and Saia PG5®
are registered trademarks of Saia-Burgess Controls AG.

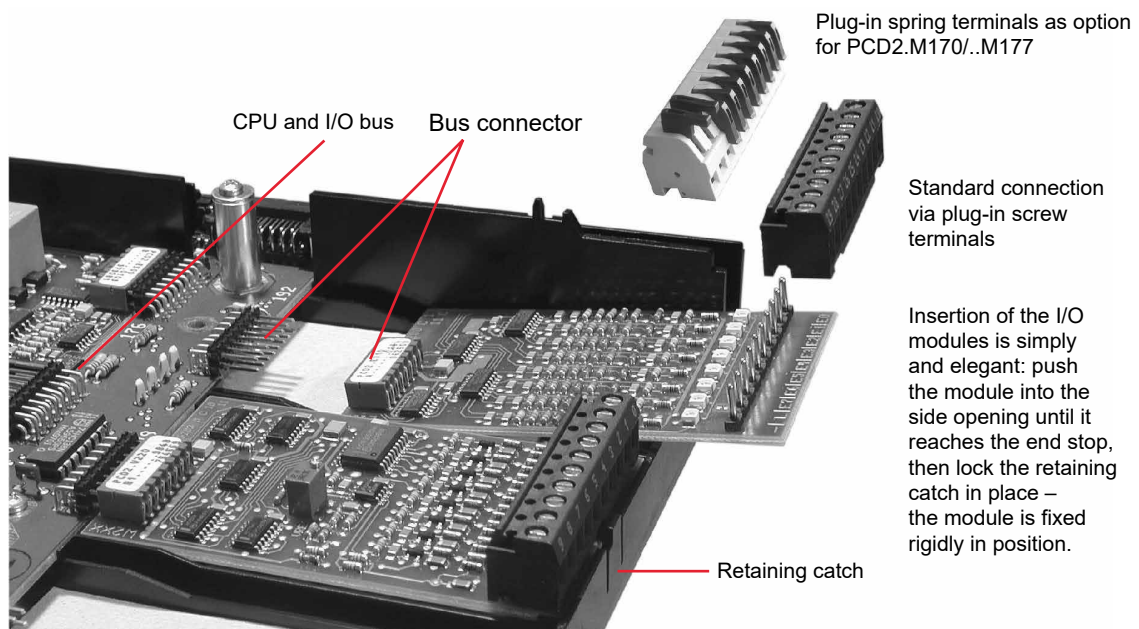Technical modifications are based on the current state-of-the-art technology.

Published in Switzerland

1   Modular concept of the I/O level

On the I/O bus, a large number of modules can be plugged into the sockets as required.

- Digital I/O modules

- Analogue I/O modules

- Multifunctional I/O modules

- Counting, measuring and motion control modules

- Axis control modules

- Modem modules

Plug-in spring terminals as option for PCD2.M170/..M177

CPU and I/O bus   Bus connector

Standard connection via plug-in screw terminals

Insertion of the I/O modules is simply and elegant: push the module into the side opening until it reaches the end stop, then lock the retaining catch in place – the module is fixed rigidly in position.

Retaining catch

1.1   The modular concept offers optimum adaptability

- Economic: The modular structure means that it is only necessary to include (and pay for) those functions that are actually required for a specific application.

- Flexible: All modules of the I/O level can be plugged onto any preferred point on the bus and are easy to exchange. Insertion of the I/O modules is simple and elegant: Push the module into the side opening until it reaches the end stop and lock the retaining catch in place.

- Time saved in electrical wiring: Due to plug-in screw terminals, spring terminals or ready-made cable variants and ribbon terminal adapters.

- Functional security: Guaranteed by their robust design and excellent reliability (average field failure rate FFR $>10^6$ hours).

1.2 Outphased I/O-moduls

Article	Active	Not recom-mended for new projects	Outphased (no longer pro-duced)	Page
PCD2.K010	✘			see 26-856_ENG
PCD2.K106	✘			see 26-856_ENG
PCD2.K221	✘			2-2
PCD2.K223	✘			2-2
PCD2.K231	✘			2-3
PCD2.K232	✘			2-3
PCD2.K241	✘			2-4
PCD2.K242	✘			2-4
PCD2.K261			✘	2-5
PCD2.K263			✘	2-5
PCD2.K271	✘			2-6
PCD2.K273			✘	2-6
PCD2.K281			✘	2-7
PCD2.K283			✘	2-7
PCD2.K510	✘			3-2
PCD2.K511	✘			3-2
PCD2.K520	✘			3-3
PCD2.K521	✘			3-3
PCD2.K525	✘			3-4
PCD2.K551	✘			3-5
PCD2.K552	✘			3-6
PCD3.K010	✘			see 26-789_ENG
PCD3.K106	✘			see 26-789_ENG
PCD3.K116	✘			see 26-789_ENG
PCD3.K261			✘	2-8
PCD3.K263			✘	2-8
PCD3.K281			✘	2-9
PCD3.K283			✘	2-9
PCD3.K800			✘	2-10
PCD3.K810			✘	2-11
PCD3.K860			✘	2-12
PCD3.K861			✘	2-13
PCD2.K225			✘	Profibus cable

2 System cables

## 2.1 System cables with I/O module connections to the Saia PCD

The route to easy, fast connection is via these preconfigured cables. The connector is ready mounted at the PCD end of the cable, so it just has to be plugged in to connect. At the process end there are ribbon connectors to the terminal adapters or the relay interface, or 0.5 mm^2 or 0.25 mm^2 strands, numbered and colour-coded.
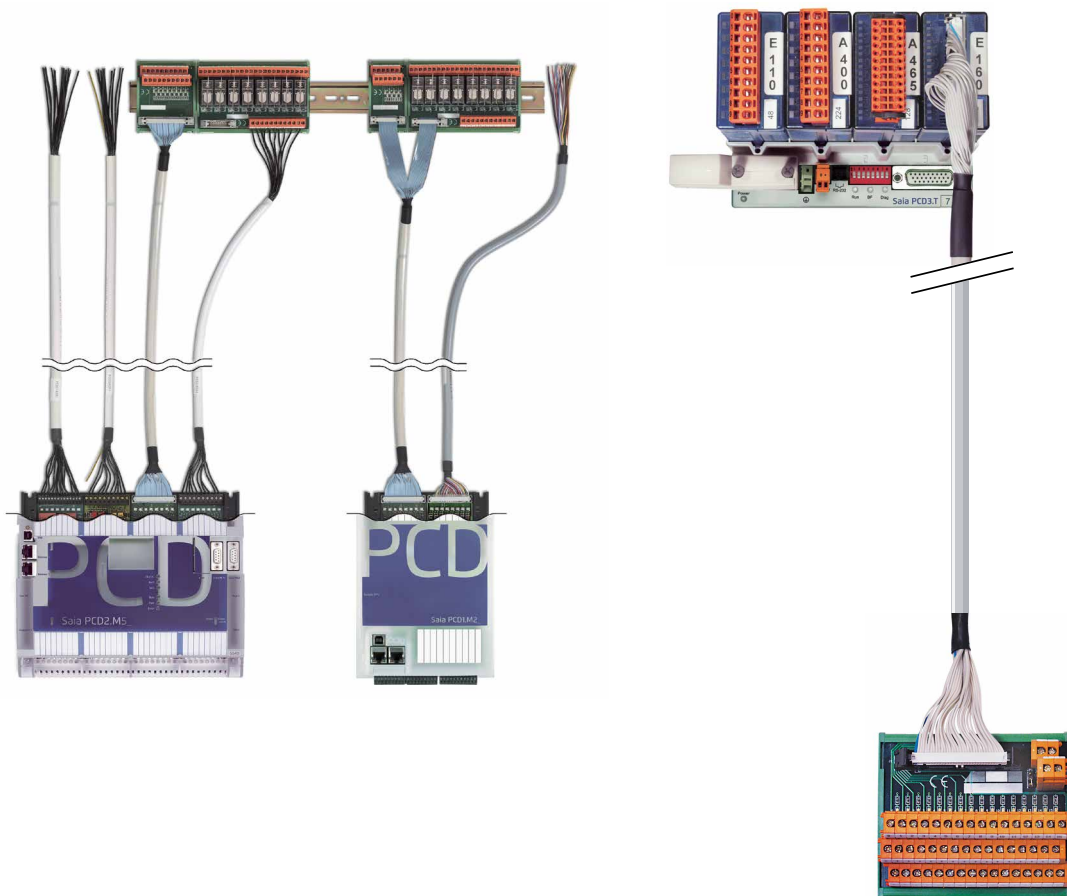
2.1.1   PCD2.K221 and PCD2.K223 cables

This cable is designed for the digital I/O modules PCD2/3.E160/161 and
PCD2/3.A460 with 16 inputs / outputs, with a 34-pole ribbon connector.

2
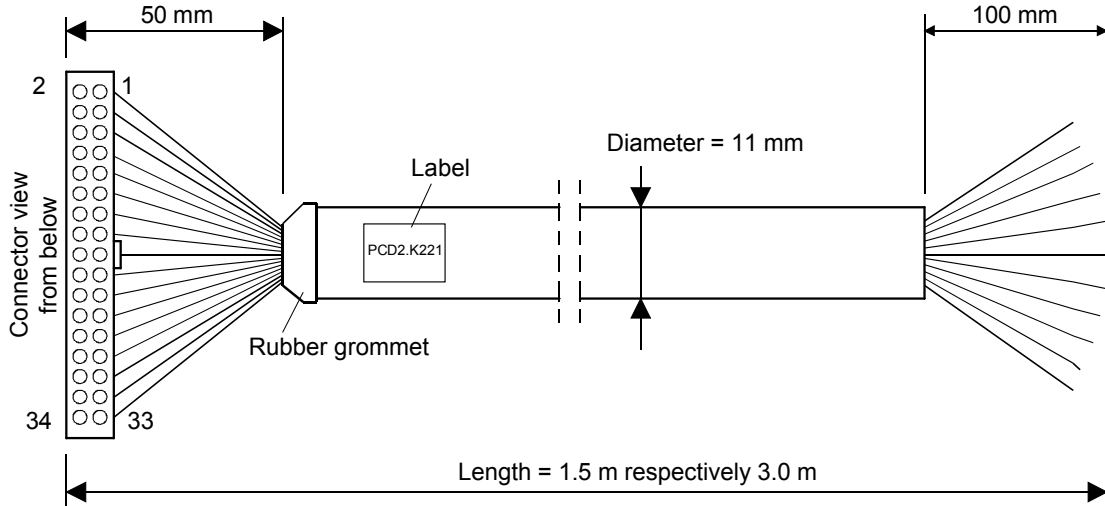
Sheathed, round cable with 32 strands of 0.25 mm^2 (AWG 24)
PCD end: 34-pole ribbon connector,
Free end: 10 cm unsheathed, colour-coded strands

Colour coding and pin configuration:

Pin	Colour	Pin	Colour	Pin	Colour	Pin	Colour
1	white	9	black	17	white/grey	25	white/black
2	brown	10	purple	18	grey/brown	26	brown/black
3	green	11	grey/pink	19	white/pink	27	grey/green
4	yellow	12	red/blue	20	pink/brown	28	yellow/grey
5	grey	13	white/green	21	white/blue	29	pink/green
6	pink	14	brown/green	22	brown/blue	30	yellow/pink
7	blue	15	white/yellow	23	white/red	31	green/blue
8	red	16	yellow/brown	24	brown/red	32	yellow/blue

The cables are supplied in two lengths:
Type and item-number: PCD2.K221   Length 1.5 m
Type and item-number: PCD2.K223   Length 3.0 m

2.1.2 PCD2.K231 and PCD2.K232 cables

This cable is designed for the digital I/O modules PCD2/3.E160/161 and
PCD2/3.A460 with 16 inputs / outputs, with a 34-pole ribbon connector.

2
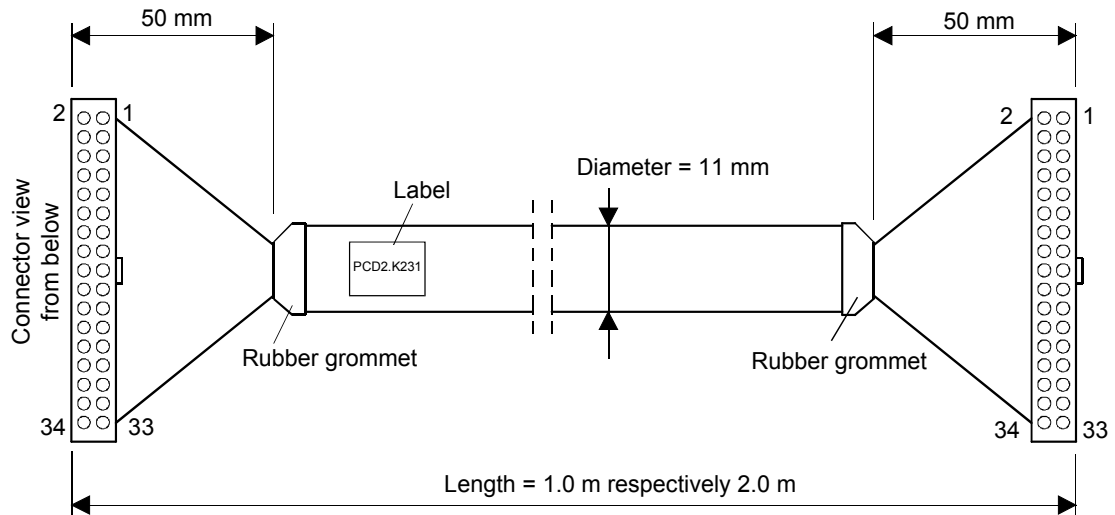
Unsheathed round cable with 34 strands of 0.09 mm^2.
34-pole ribbon connector at both ends.

The cables are supplied in two lengths:
Type and item-number: PCD2.K231   Length 1.0 m
Type and item-number: PCD2.K232   Length 2.0 m

2.1.3   PCD2.K241 and PCD2.K242 cables

This cable is designed for the digital I/O modules PCD2/3.E160/161 and
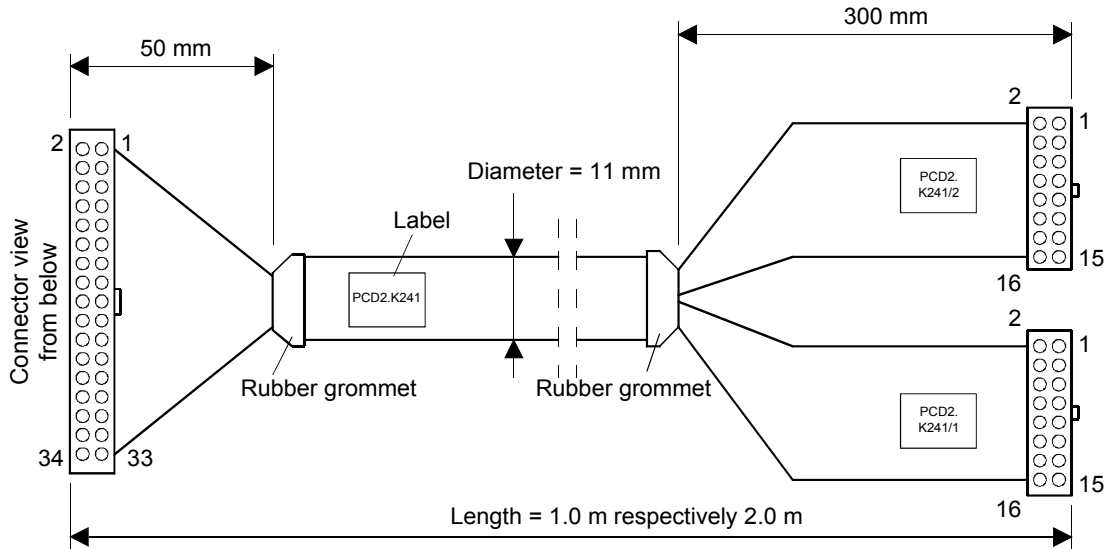PCD2/3.A460 with 16 inputs / outputs, with a 34-pole ribbon connector.

2

Sheathed round cable with 34 strands of 0.09 mm^2.
PCD end: 34-pole ribbon connector,
Process end: Divided into 2 branches, each 300 mm in length,
                        leading to 16-pole ribbon connectors.
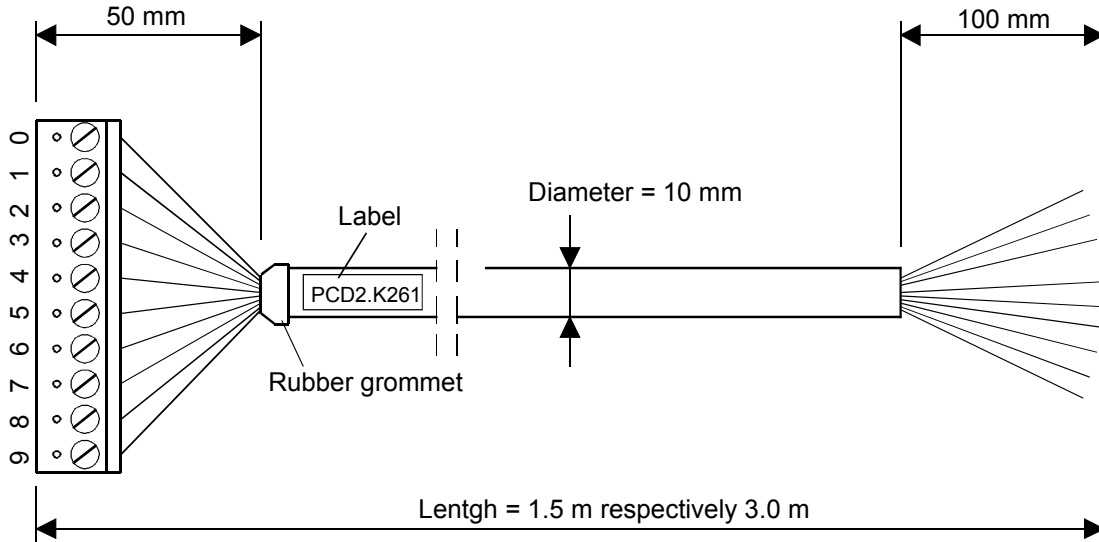
The cables are supplied in two lengths:
Type and item-number: PCD2.K241   Length 1.0 m
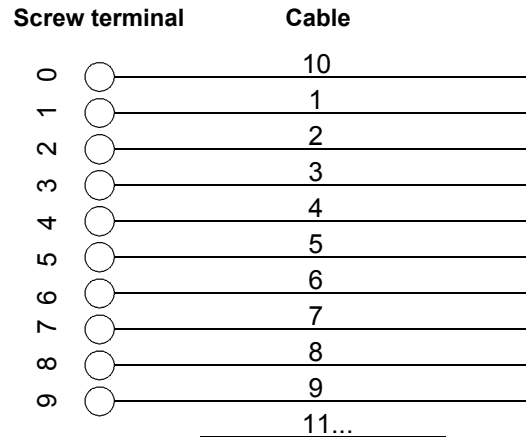Type and item-number: PCD2.K242   Length 2.0 m

2.1.4   PCD2.K261 and PCD2.K263 cables

This cable is designed for digital I/O modules with 10-pole pluggable screw terminal block, i.e. for the modules PCD2.E1xx, E500, E6xx, A200, A220, A300, A4xx and B100. (The existing terminal block should be removed).

2

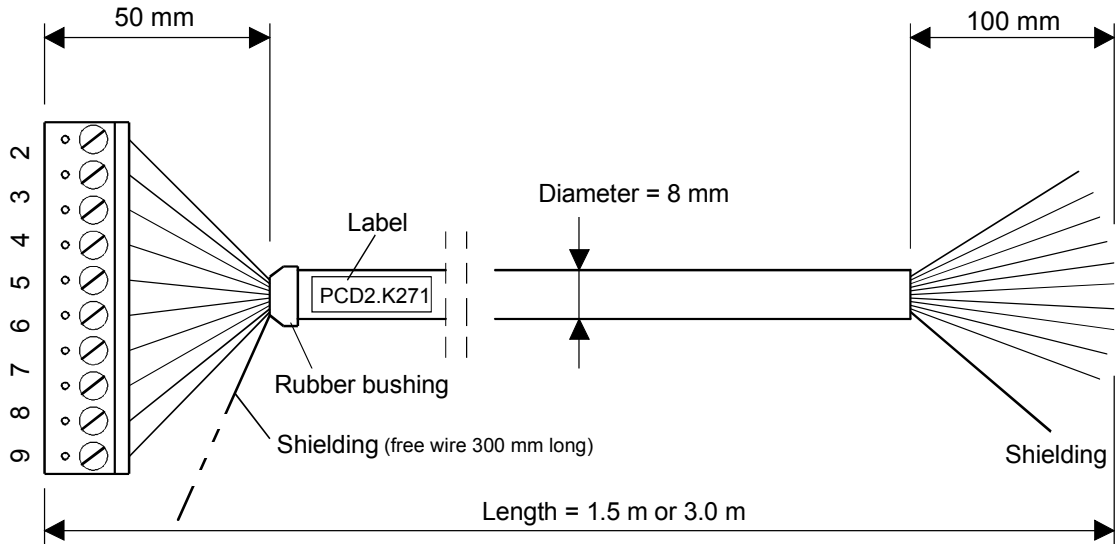| Screw terminal	Cable
0	10
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
	11

Sheathed, round cable with 10 strands of 0.5 mm^2.
PCD end: 10-pole pluggable screw terminal block,
Free end: 10 cm with numbered strands

The cables are supplied in two lengths:
Type and item-number: PCD2.K261   Length 1.5 m
Type and item-number: PCD2.K263   Length 3.0 m

2.1.5   PCD2.K271 and PCD2.K273 cables

This shielded cable is designed for analogue I/O modules and for H modules with 10-pole pluggable screw terminal block. (The existing terminal block should be removed).

2

Screw terminal	Cable
0	purple
1	white
2	brown
3	green
4	yellow
5	grey
6	pink
7	blue
8	red
9	black

Sheathed, shielded cable with 10 strands of 0.25 mm^2.
The shielding is drawn out at both ends.
PCD end: 10-pole pluggable screw terminal block,
Free end: 10 cm strands, colour-coded

The cables are supplied in two lengths:
Type and item-number: PCD2.K271   Length 1.5 m
Type and item-number: PCD2.K273   Length 3.0 m

2.1.6 PCD2.K281 and PCD2.K283 cables

This cable is designed for the PCD2.A250 relay output module as well as the analogue modules PCD2.W3x5, PCD2.W6x5 and PCD2.W525 with 14-pole plug-in screw terminal block. (The existing terminal block should be removed).

2

Screw terminal	Cable
0	14
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
	15

Sheathed, round cable with 14 strands of 0.5 mm^2.
PCD end: 14-pole pluggable screw terminal block,
Free end: 10 cm with numbered strands

The cables are supplied in two lengths:
Type and item-number: PCD2.K281   Length 1.5 m
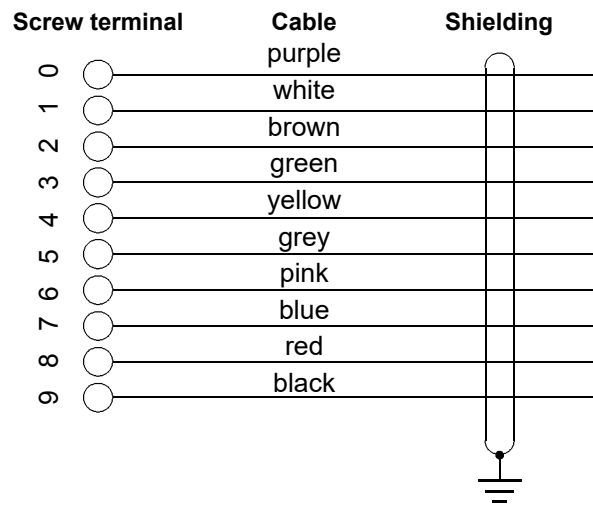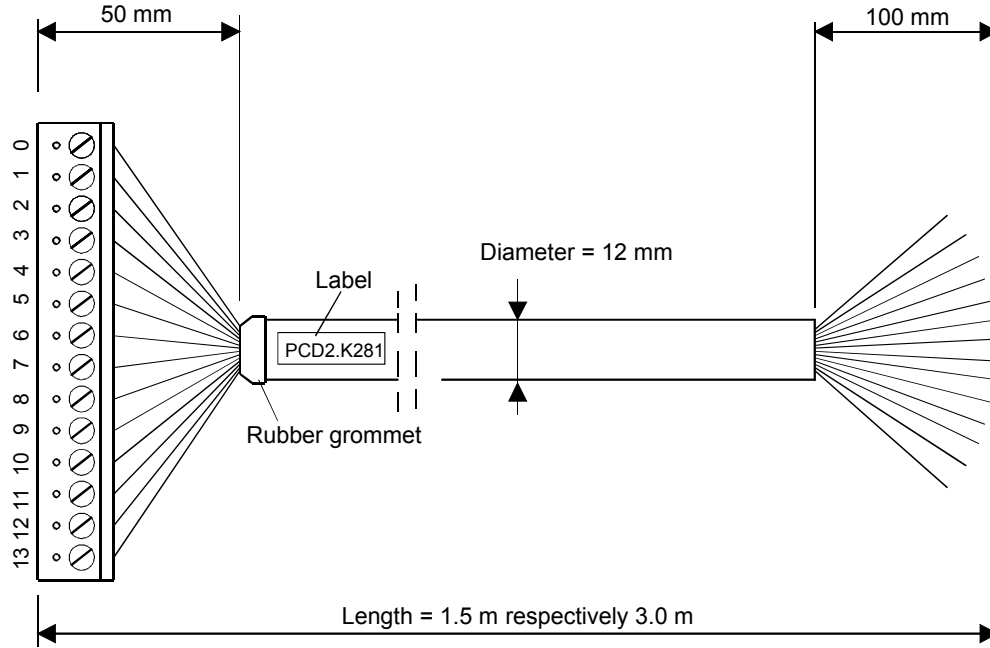Type and item-number: PCD2.K283   Length 3.0 m

2

2.1.7   PCD3.K261 and PCD3.K263 cables

This cable is designed for digital I/O modules with 10-pole pluggable screw terminal block, i.e. for the modules PCD3.E1xx, E500, E6xx, A200, A220, A300, A4xx and B100. (The existing terminal block should be removed).

Diameter = 8 mm

100 mm   Cable length   50 mm

..E1xx ..A300
..E500 ..B100
..E6xx ..W2x0
..A200 ..W3x0
..A220 ..W4x0
..A4xx ..W6x0

Screw terminal	Cable
0	10
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
	11

Sheathed, round cable with 10 strands of 0.5 mm^2.
PCD end: 10-pole pluggable screw terminal block,
Free end: 10 cm with numbered strands

The cables are supplied in two lengths:
Type and item-number: PCD3.K261   Length 1.5 m
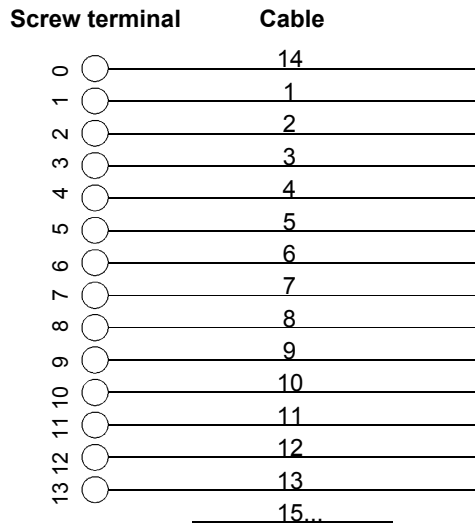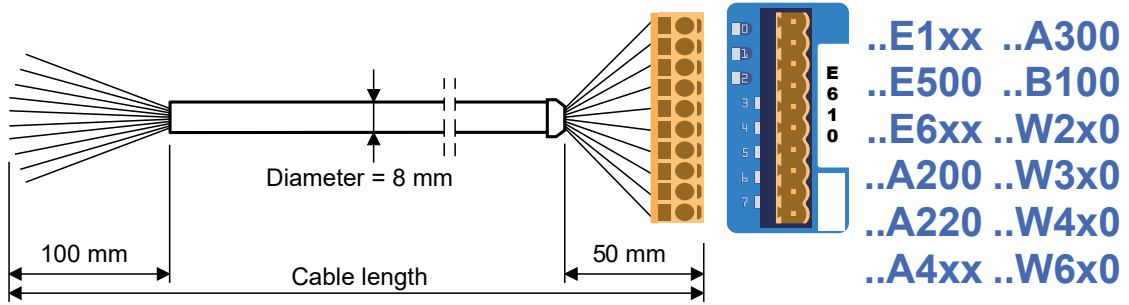Type and item-number: PCD3.K263   Length 3.0 m

2.1.8   PCD3.K281 and PCD3.K283 cables

This cable is designed for the analogue modules PCD3.W3x5, PCD3.W6x5 and
PCD3.W525 with 14-pole plug-in screw terminal block. (The existing terminal block
should be removed).

2

Diameter = 10 mm

100 mm

50 mm

Cable length

W305   W605
W315   W615
W325   W625
        W525

Screw terminal	Cable
0	14
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
	15

Screw terminal   Cable

0	14
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
	15...

Sheathed, round cable with 14 strands of 0.5 mm^2.
PCD end: 14-pole pluggable screw terminal block,
Free end: 10 cm with numbered strands

The cables are supplied in two lengths:
Type and item-number: PCD3.K281   Length 1.5 m
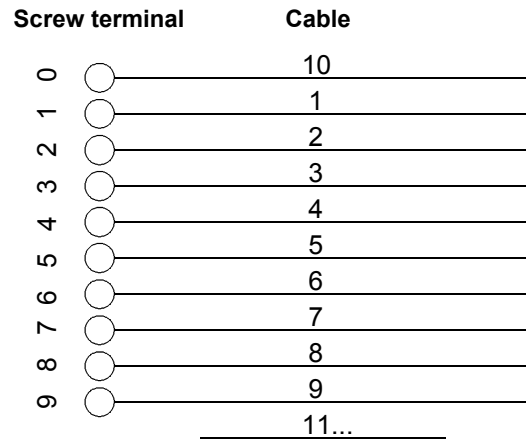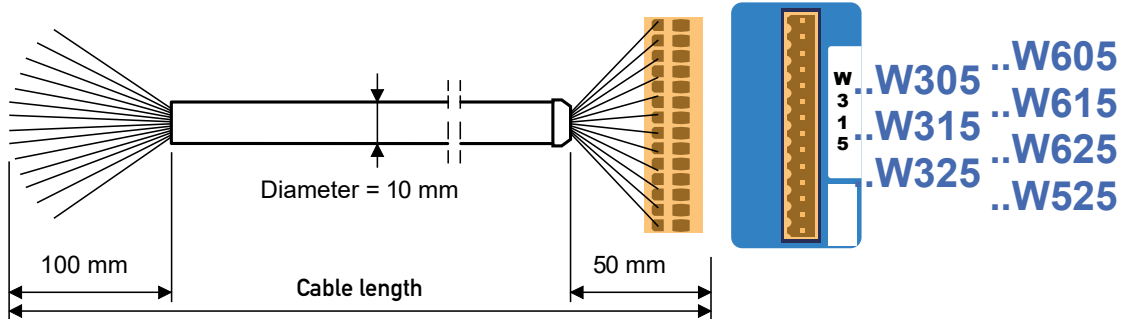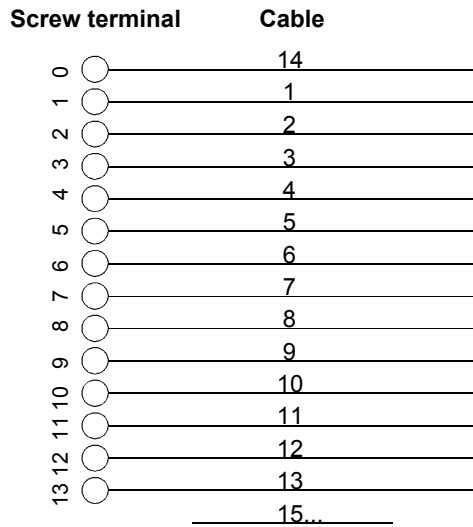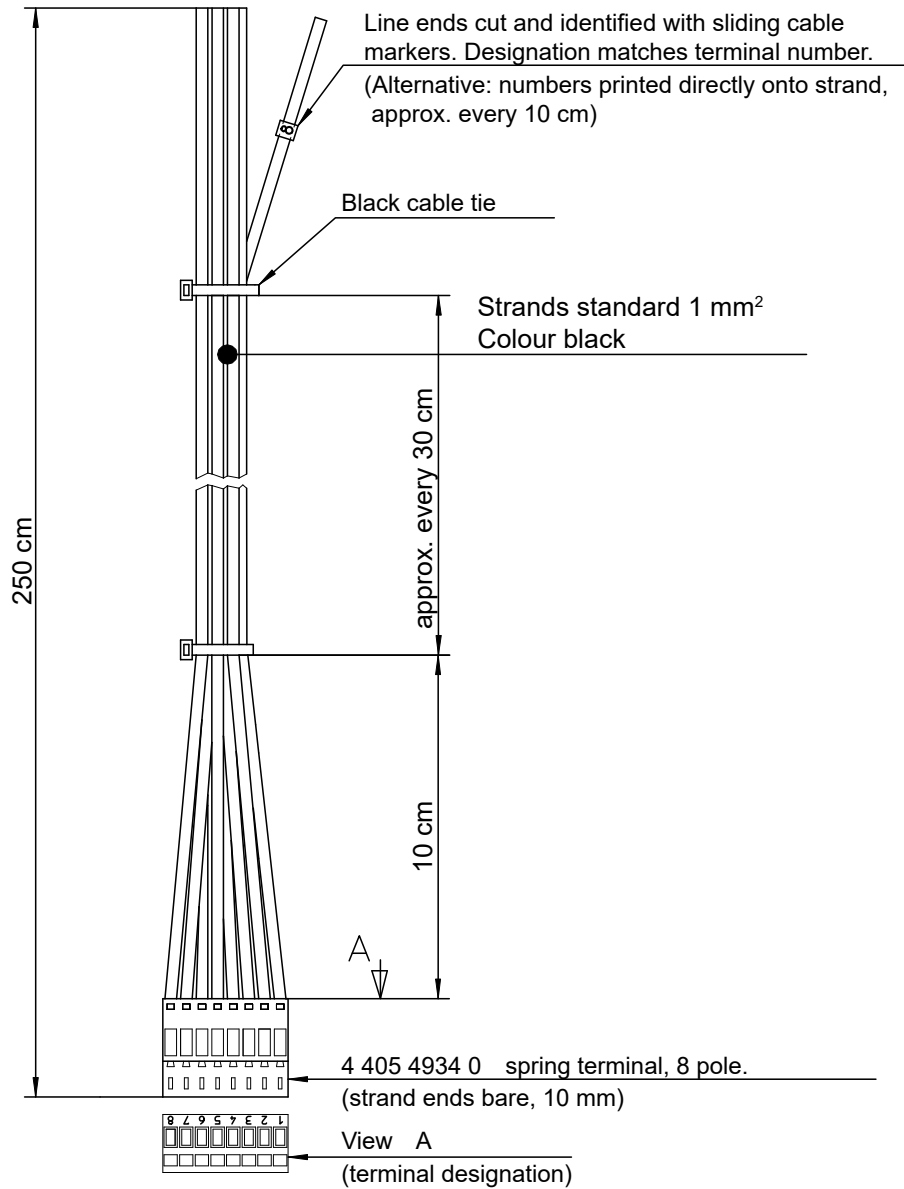Type and item-number: PCD3.K283   Length 3.0 m

2.1.9 PCD3.K800 cables

This cable is designed for the manual control modules PCD3.W800 with 4 analogue output channels.

2

Line ends cut and identified with sliding cable markers. Designation matches terminal number.
(Alternative: numbers printed directly onto strand, approx. every 10 cm)

Black cable tie

Strands standard 1 mm²
Colour black

approx. every 30 cm

250 cm

10 cm

A

4 405 4934 0   spring terminal, 8 pole.
(strand ends bare, 10 mm)

View   A
(terminal designation)

8 strands held together with cable ties, each strand 1.0 mm², 2.5 m long. PCD side: 8 pole, plug-in spring terminal block, type J. Process side: free strands, numbered.

Connection configuration PCD3.K800:

PCD3.W800	PCD3.K800	
A2	8	8
	7	7
A3	6	6
	5	5
A2	4	4
	3	3
A3	2	2
	1	1

Line ends cut
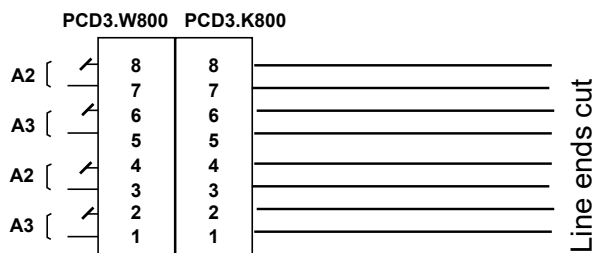
2.1.10 PCD3.K810 cables

This cable is designed for the manual control modules PCD3.A810 with 4 relay outputs

Line ends cut and identified with sliding cable markers. Designation matches terminal number.
(Alternative: numbers printed directly onto strand, approx. every 10 cm)

Black cable tie

Strands standard 1 mm^2
Colour black

Better differentiation of cable designation, numbers 6 and 9

Additional zero

Or point

Or underline

250 cm

Approx. every 30 cm

10 cm

A

4 405 4936 0   spring terminal, 12 pole
(strand ends bare, 10 mm)

View   A
(terminal designation)

12 strands held together with cable ties, each strand 1.0 mm², 2.5 m long. PCD side:
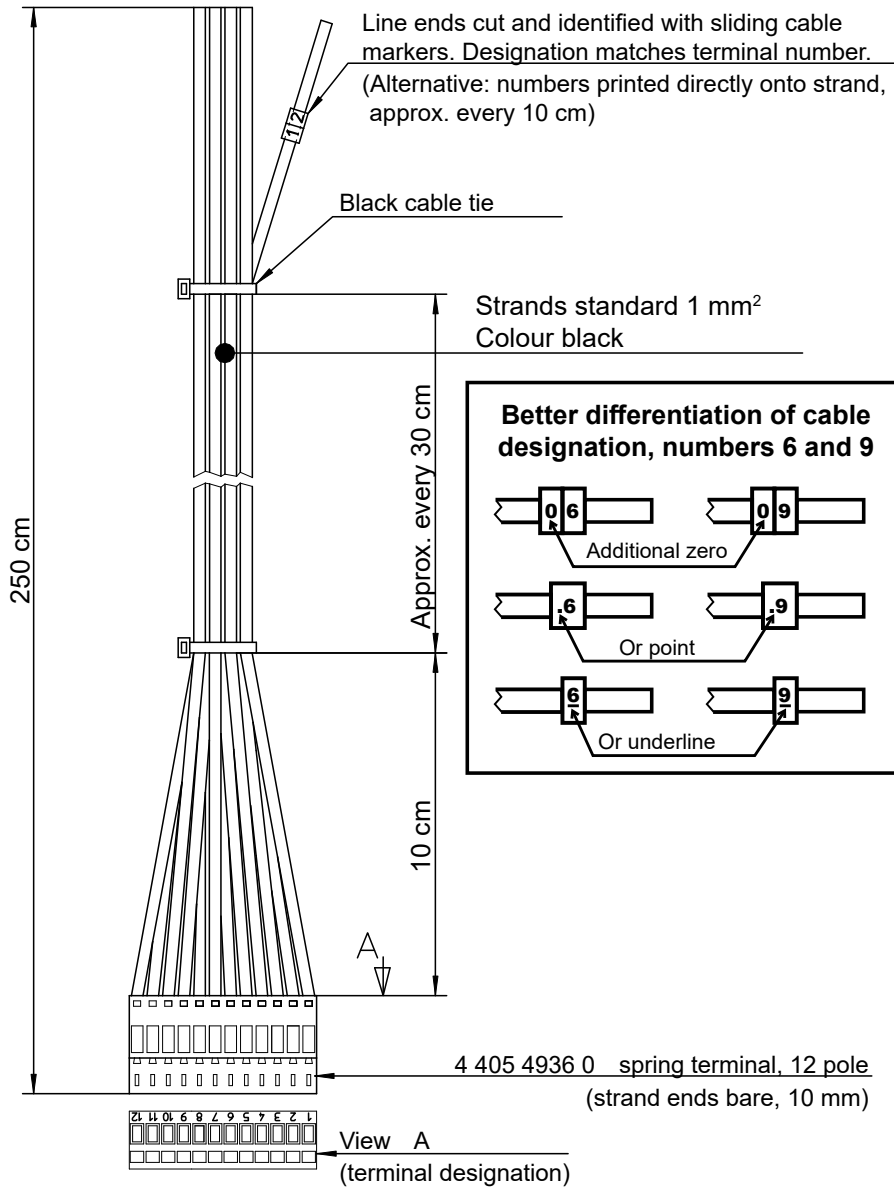12 pole, plug-in spring terminal block, type F. Process side: free strands, numbered.
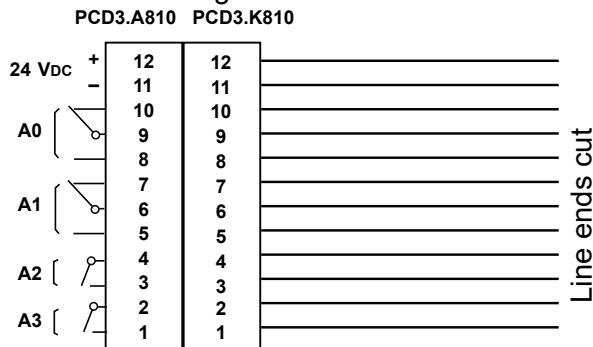
Connection configuration PCD3.K800:

PCD3.A810   PCD3.K810

24 V$_{DC}$ +	12	12
−	11	11
	10	10
A0	9	9
	8	8
A1	7	7
	6	6
	5	5
A2	4	4
	3	3
A3	2	2
	1	1

Line ends cut

2

2.1.11 PCD3.K860 cables

This cable is designed for the Light and Shade module, PCD3.A860.

Line ends cut and identified with sliding cable markers. Designation matches terminal number.
(Alternative: numbers printed directly onto strand, approx. every 10 cm)

Black cable tie

Strands standard1.5 mm^2
Colour black

approx. every 30 cm

10 cm

250 cm

4 405 5027 0   spring terminal, 4 pole.
(strand ends bare, 8.5 mm)

4 strands held together with cable ties, each strand 1.5 mm², 2.5 m long. PCD side:
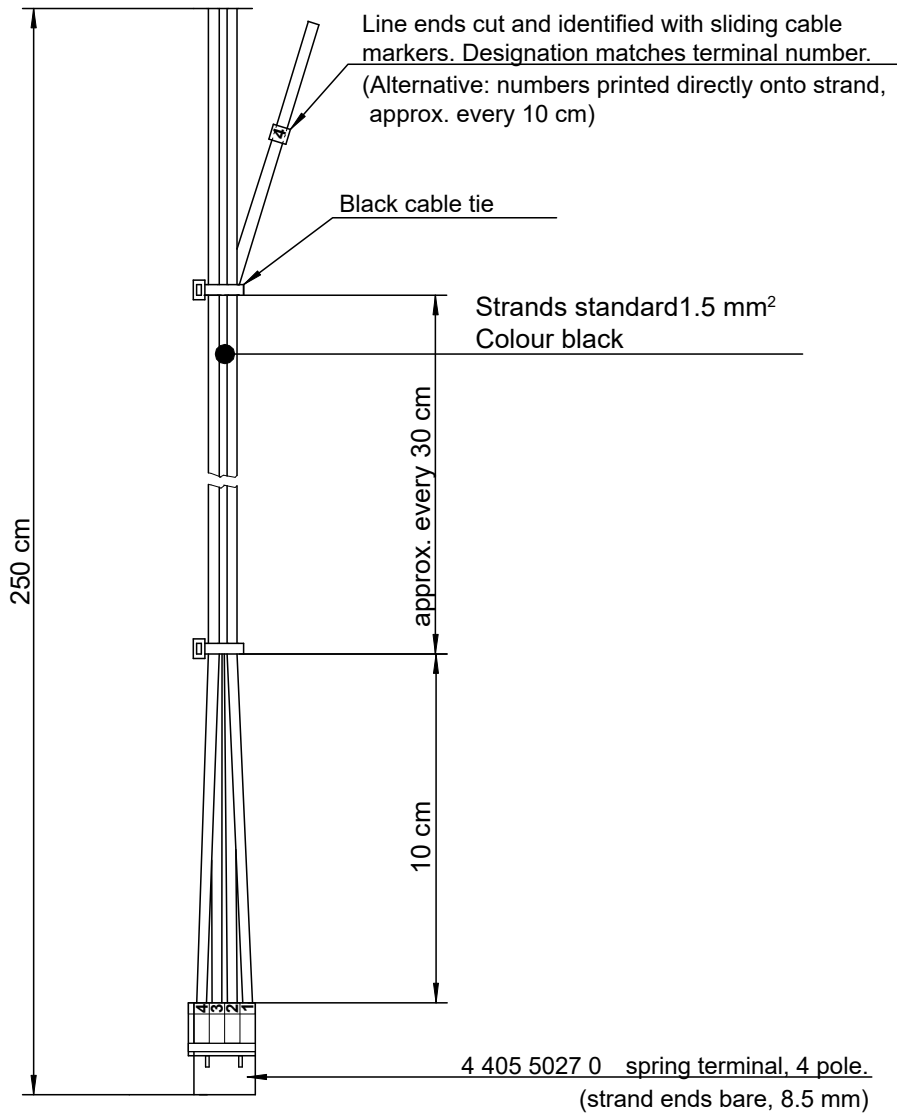4 pole, plug-in spring terminal block, type G. Process side: free strands, numbered.

Connection configuration PCD3.K860:
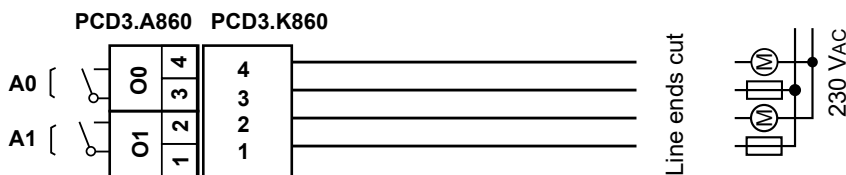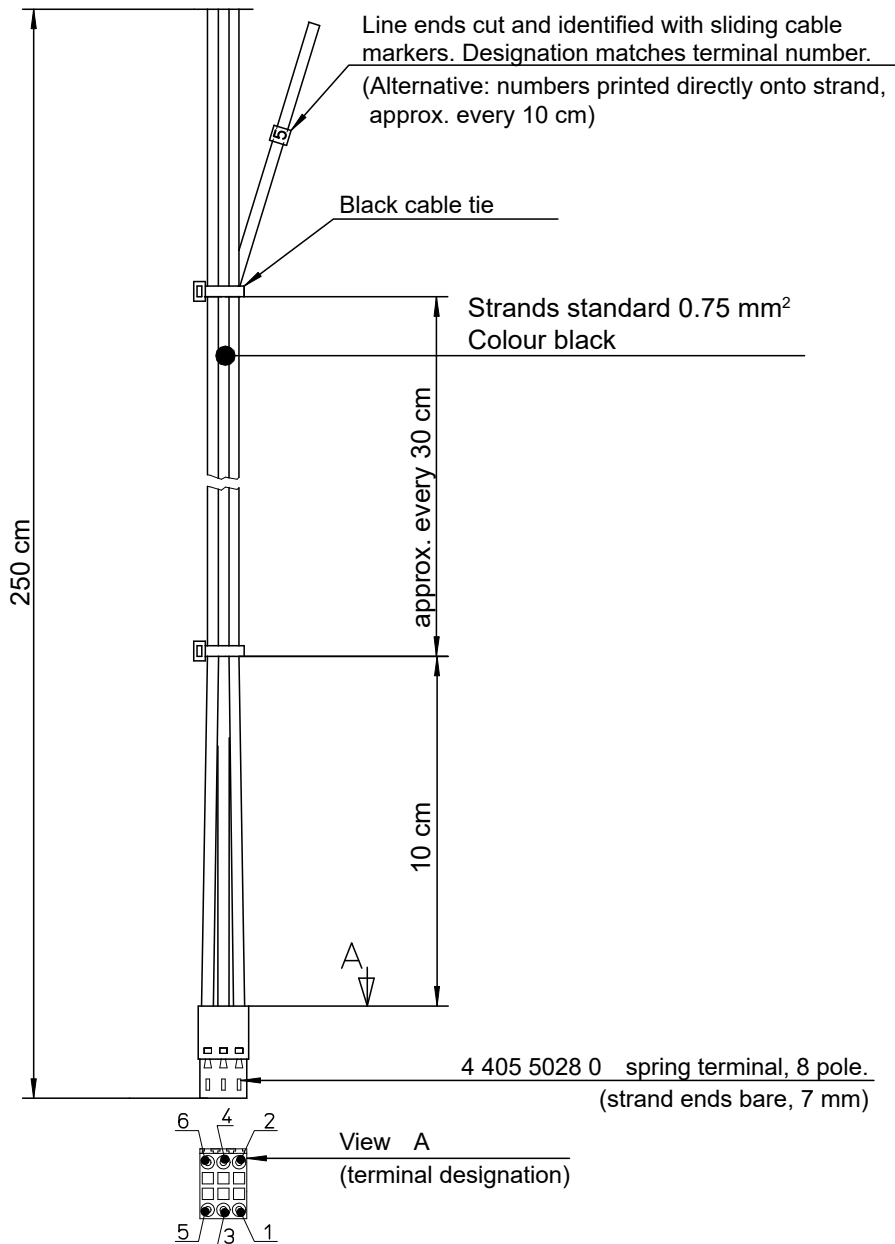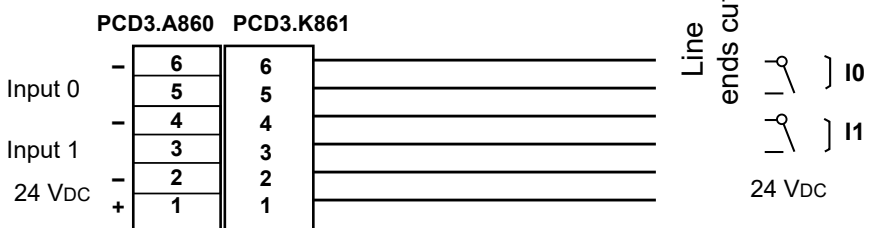
2.1.12 PCD3.K861 cables

This cable is designed for the Light and Shade module, PCD3.A860.

Line ends cut and identified with sliding cable markers. Designation matches terminal number.
(Alternative: numbers printed directly onto strand, approx. every 10 cm)

Black cable tie

Strands standard 0.75 mm^2
Colour black

approx. every 30 cm

250 cm

10 cm

A

4 405 5028 0   spring terminal, 8 pole.
(strand ends bare, 7 mm)

6   4   2

View   A
(terminal designation)

5   3   1

6 strands held together with cable ties, each strand 0.75 mm², 2.5 m long. PCD side:
6 pole, plug-in spring terminal block, type H. Process side: free strands, numbered.

Connection configuration PCD3.K861:

PCD3.A860	PCD3.K861		
	6	6	
Input 0 –	5	5	I0
	4	4	
Input 1 –	3	3	I1
	2	2	
24 VDC –	1	1	24 VDC
+			

Line ends cut

3   System adapters

## 3.1   Ribbon/screw terminal adapters (external terminal blocks)

Terminal blocks for mounting on DIN rails at the output from the switching cabinet, to connect Saia PCD I/O modules to the process. The cables configured for this are described in the previous section «System cables with I/O module connections to the Saia PCD».

3
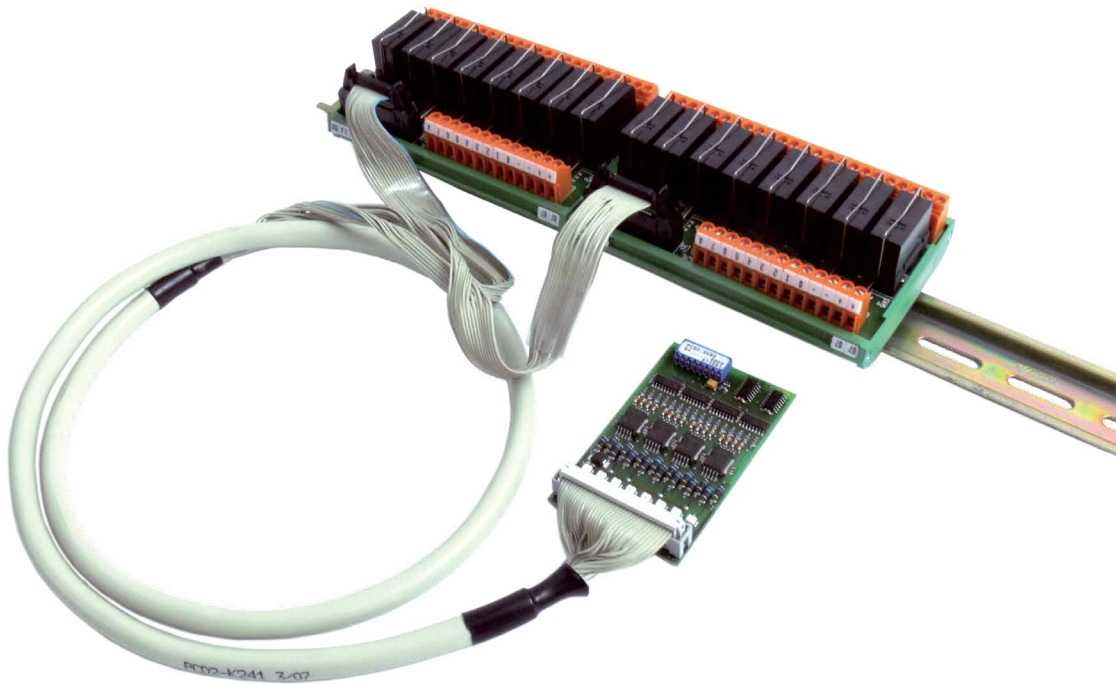
3.1.1   PCD2.K510 and PCD2.K511 adapters

Ribbon/screw terminal adapters for 8 inputs or 8 outputs.

3

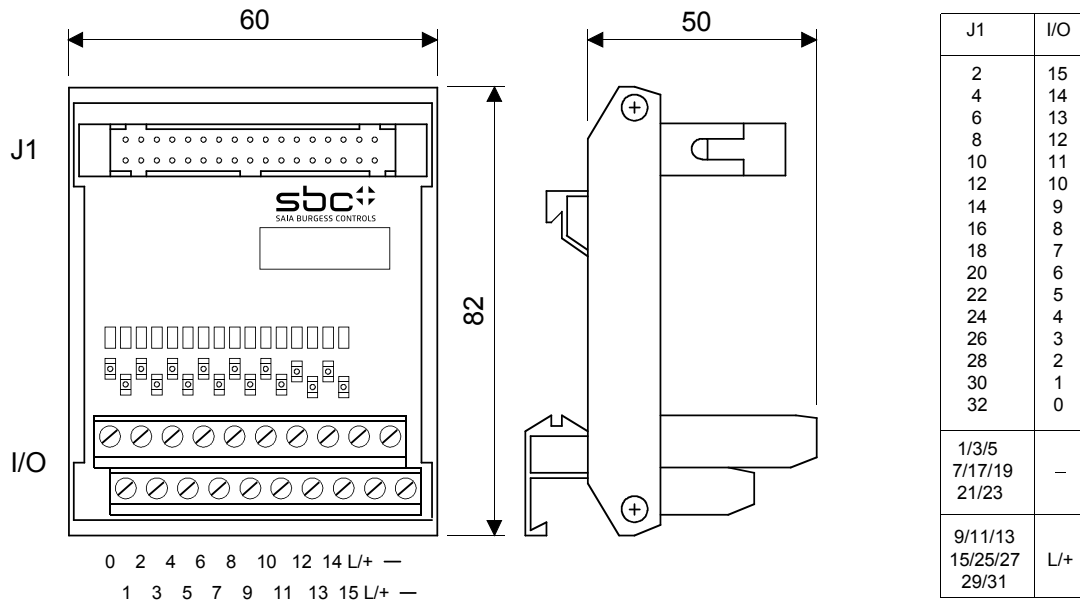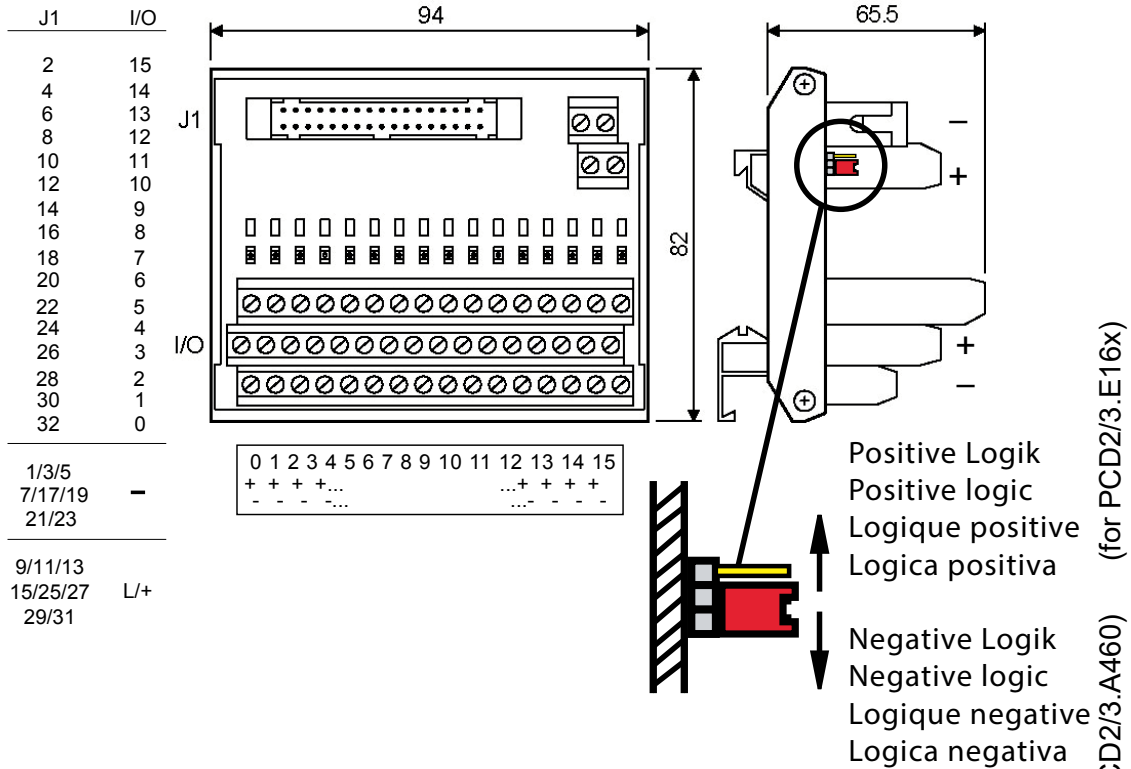| J1	I/O
2	7
4	6
6	5
8	4
10	3
12	2
14	1
16	0
1/3 5/7	—
9/11 13/15	L/+
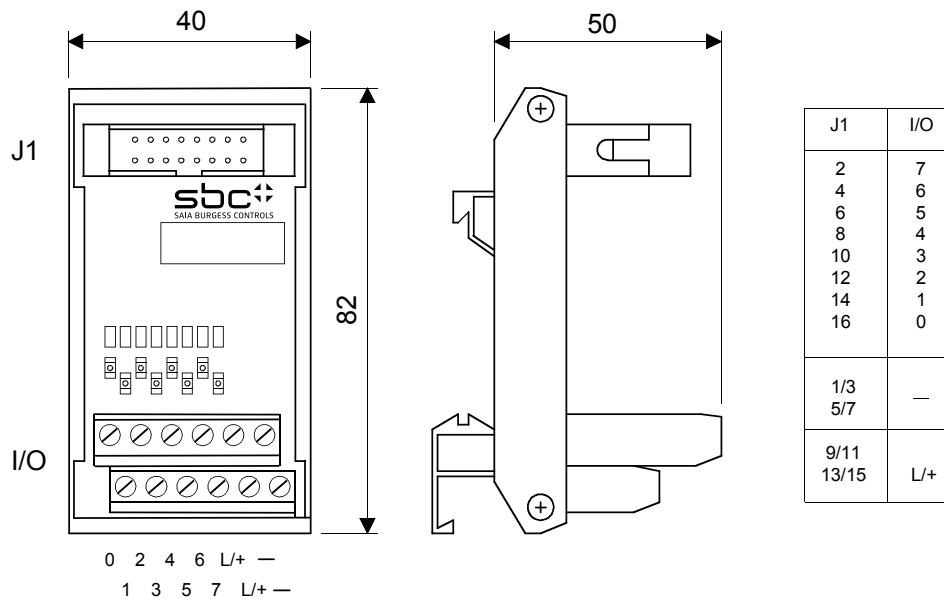
PCD end: 16-pole ribbon connector
Process end: 12 screw terminals 0.5–1.5 mm^2

Type and item-number: PCD2.K510 without LEDs
Type and item-number: PCD2.K511 with LEDs – **for source operation only**

3.1.2   PCD2.K520 and PCD2.K521 adapters

Ribbon/screw terminal adapters for 16 inputs or 16 outputs.

3

J1	I/O
2	15
4	14
6	13
8	12
10	11
12	10
14	9
16	8
18	7
20	6
22	5
24	4
26	3
28	2
30	1
32	0
1/3/5 7/17/19 21/23	–
9/11/13 15/25/27 29/31	L/+

PCD end:	34-pole ribbon connector
Process end:	20 screw terminals 0.5–1.5 mm²
Type and item-number:	PCD2.K520 without LEDs
Type and item-number:	PCD2.K521 with LEDs – **for source operation only**

3.1.3   PCD2.K525 adapter

Ribbon/screw terminal adapter for 16 inputs/outputs, with 3 × 16 screw terminals and LEDs

J1	I/O
2	15
4	14
6	13
8	12
10	11
12	10
14	9
16	8
18	7
20	6
22	5
24	4
26	3
28	2
30	1
32	0
1/3/5 7/17/19 21/23	−
9/11/13 15/25/27 29/31	L/+

Positive Logik
Positive logic
Logique positive
Logica positiva

Negative Logik
Negative logic
Logique negative
Logica negativa

(for PCD2/3.E16x)

(for PCD2/3.A460)

PCD end:	34-pole ribbon connector
Process end:	3 × 16 screw terminals 0.5…1.5 mm²
Type and item-number:	PCD2.K525 with LEDs – **for source operation only**

Connection of PCD2/3.E160 and PCD2/3.E161

For the off connection of PCD2/3.E160 and PCD2/3.E161 the system cables PCD2.K231 (1 m) or PCD2.K232 (2 m) «chapt. 2.1.2» are used.

For **Source Operation (positive logic),** the «−» of the Supply must be connected to the «−» of the screw-terminal. The «+» must not be connected. The jumper JP1 has to be plugged to the position «Positive Logic».

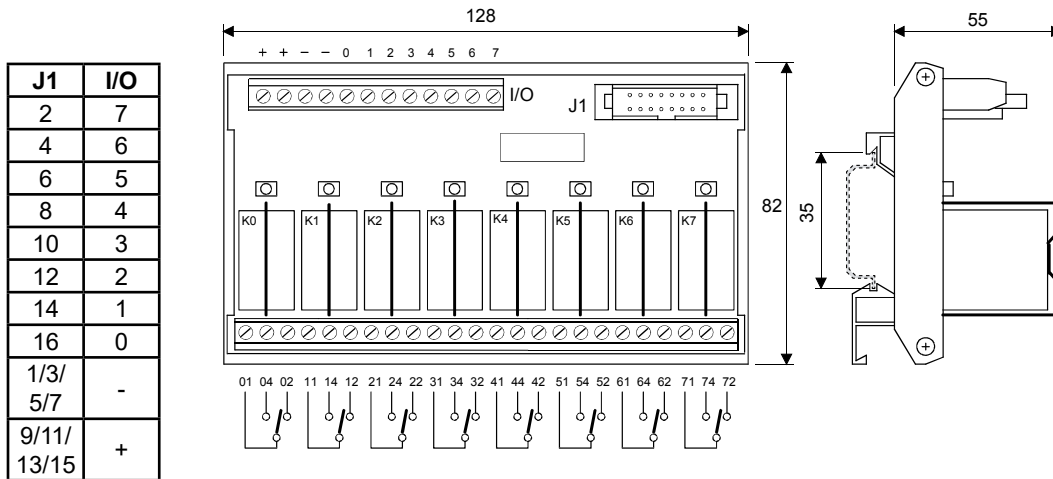**Sink Operation (negative logic)** is not supported

Connection of PCD2.A460

For the off connection of PCD2/3.A460 the system cables PCD2.K231 (1 m) or PCD2.K232 (2 m) chapt. 2.1.2 are used. The «+» and the «−» of the Supply must be connected to the «+» and the «−» of the screw-terminal.

The supply is only connected to the module when the Jumper JP1 is plugged to the position «Negative Logic»

The supply is only connected to the module when the Jumper JP1 is plugged to the position «Negative Logic»

3

3.1.4   PCD2.K551 relay interface with relay type G2RL-1

Relay interface to PCD2/3.A460 with 8 plug-in relays. The logical state of the relay is displayed with an LED: Relay switched on   LED on
                                    Relay switched off   LED off

J1	I/O
2	7
4	6
6	5
8	4
10	3
12	2
14	1
16	0
1/3/5/7	-
9/11/13/15	+

PCD end: 16-pole ribbon connector I/O
                      (or 12 screw terminals J1)
Process end: 24 screw terminals 0.5–1.5 mm^2

Data for relay type G2RL-1:
(extracted from manufacturer's data sheet)

Input voltage:	24 VDC
Input current:	31 mA
Max. switching voltage:	440 VAC / 300 VDC
Nominal current:	12 A
Max. load with cosφ = 1:	3000 VA (AC) / 360 W (DC)
Max. load with cosφ = 0.4:	1250 VA (AC) / 150 W (DC)
Mon. load:	100 mA / 5 VDC
Switch-on delay t on:	max. 15 ms
Switch-off delay t off:	max. 5 ms
Contact coil isolation:	5 kVAC
Isolation between contacts:	1 kVAC
Mech. lifetime (relays): Electr. lifetime (relays):	20 × 10^6 cycles 50,000 cycles at 12 A/250 VAC, cosφ = 1
Max. switching cycles, mechanical: electrical:	18,000 cycles/hour 1800 cycles/hour at nominal load
Ambient temperature:	–40°C…+ 85°C

Type and item number:
   Relay interface: PCD2.K551 with 8 G2RL-1 relays and LEDs
   Relays: G2RL-1, 24DC (OMRON)   91E025849
   Spring clip: EMR/15   91E025914
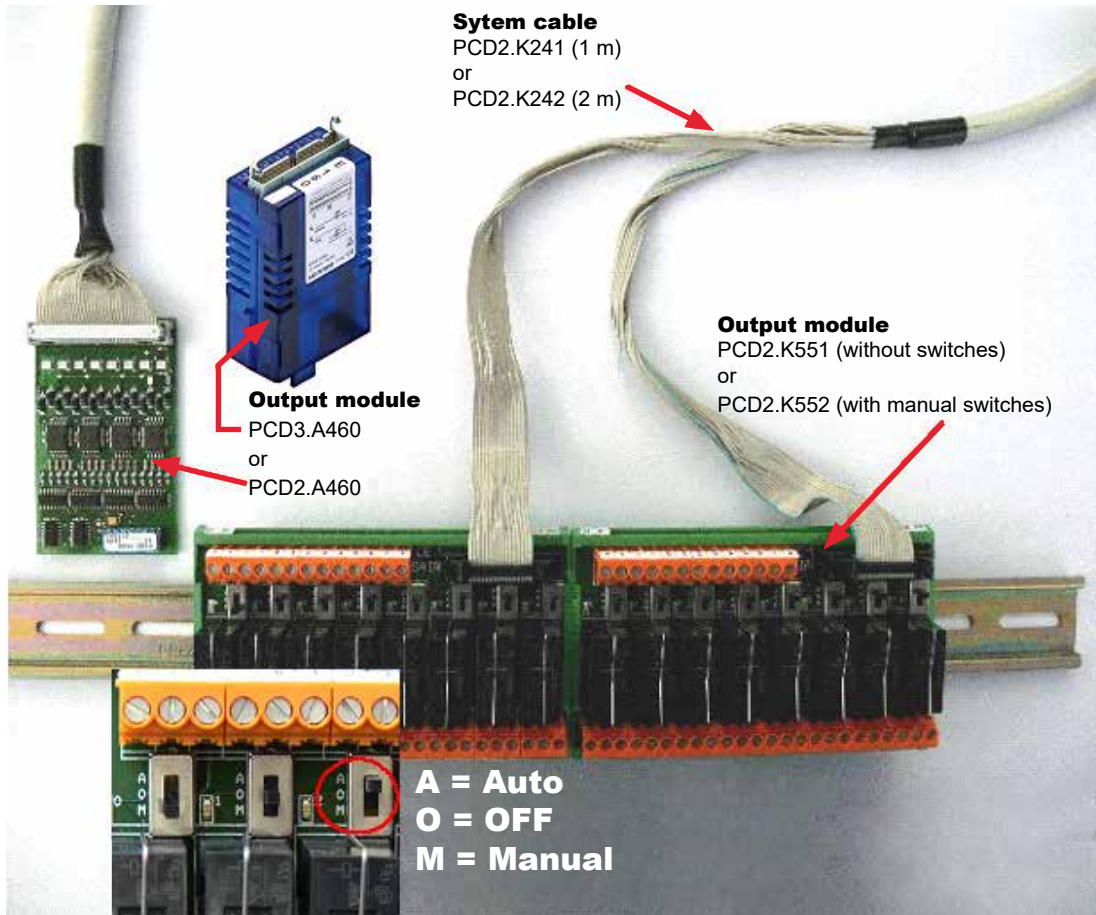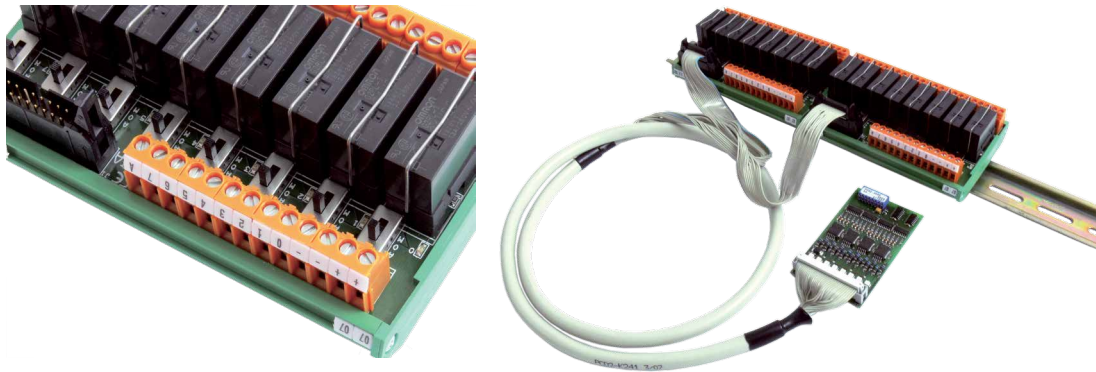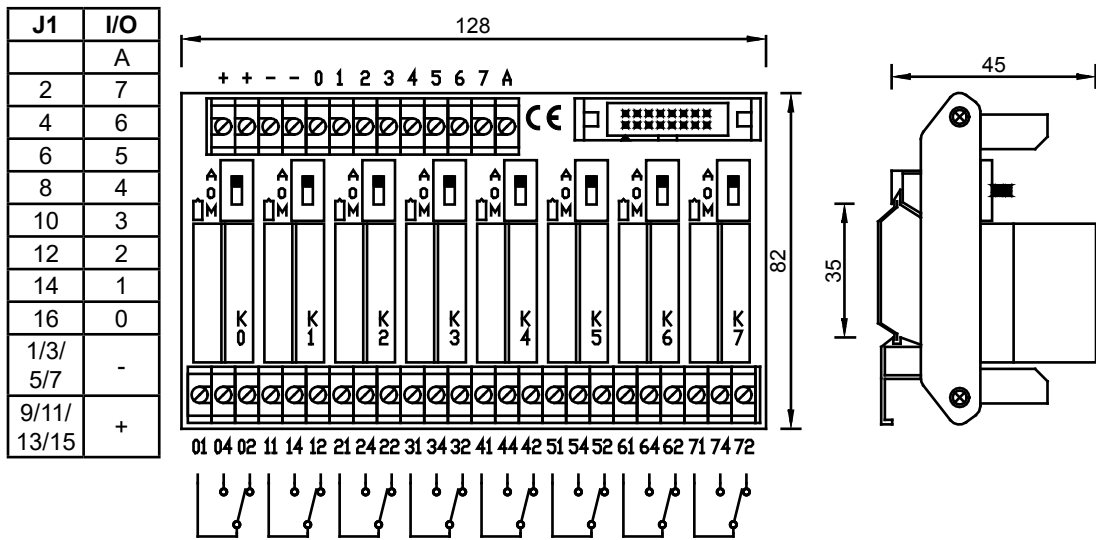
3.1.5 PCD2.K552 relay interface with manual control

Increasingly, building automation applications require the necessary manual control and coupler level in automation stations. Saia Burgess Controls has decided to take this requirement into account in its new relay interface module, the PCD2.K552.

With relay interface modules, it is possible to override process outputs directly.

Features
– Manual control function at outputs
– Easy connection to a 16-point output module (PCD1, PCD2 or PCD3)
  via prefabricated cable
– Direct acknowledgement of manual mode (Switch position feedback) to automation
  station via a common output A
– Also suitable for two-stage functions

Sytem cable
PCD2.K241 (1 m)
or
PCD2.K242 (2 m)

Output module
PCD2.K551 (without switches)
or
PCD2.K552 (with manual switches)

Output module
PCD3.A460
or
PCD2.A460

A = Auto
O = OFF
M = Manual

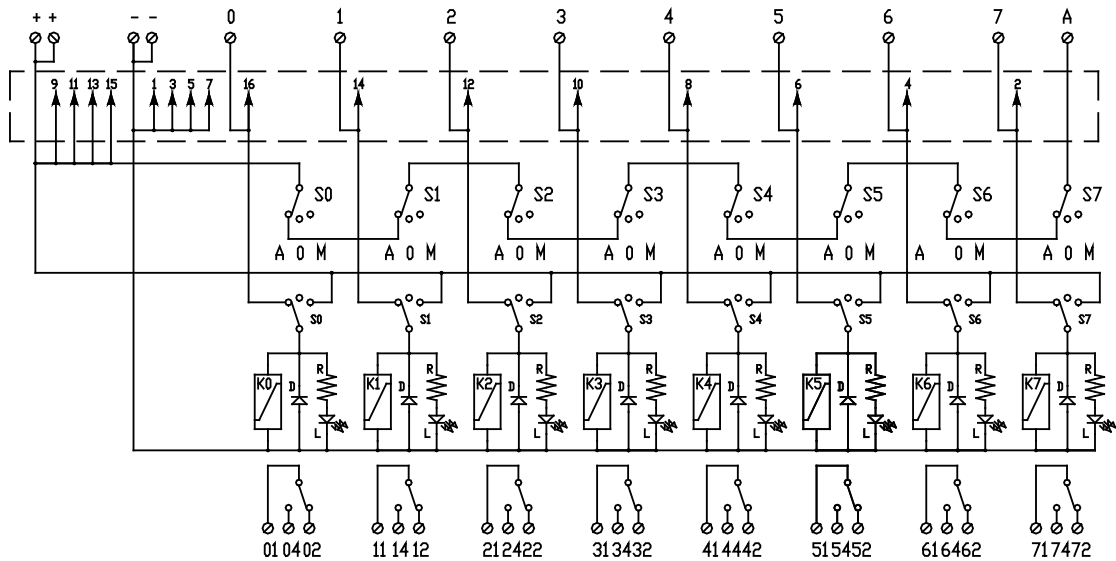| J1	I/O
	A
2	7
4	6
6	5
8	4
10	3
12	2
14	1
16	0
1/3/5/7	-
9/11/13/15	+

Relay interface to PCD2/3.A460 with 8 plug-in relays. The logical state of the relay is displayed with an LED:

Relay switched on   LED on

Relay switched off   LED off

Connection configuration PCD2.K552:

PCD end: 16-pole ribbon connector I/O

(or 12 screw terminals J1)

Process end: 24 screw terminals 0.5–1.5 mm^2

3

Data for relay type G2RL-1:
(extracted from manufacturer's data sheet)

Input voltage:	24 VDC
Input current:	31 mA
Max. switching voltage:	440 VAC / 300 VDC
Nominal current:	12 A
Max. load with cosφ = 1:	3000 VA (AC) / 360 W (DC)
Max. load with cosφ = 0.4:	1250 VA (AC) / 150 W (DC)
Mon. load:	100 mA / 5 VDC
Switch-on delay t on:	max. 15 ms
Switch-off delay t off:	max. 5 ms
Contact coil isolation:	5 kVAC
Isolation between contacts:	1 kVAC
Mech. lifetime (relays): Electr. lifetime (relays):	20×10^6 cycles 100,000 cycles at 12 A/250 VAC, cosφ = 1
Max. switching cycles, mechanical: electrical:	18,000 cycles/hour 1800 cycles/hour at nominal load
Ambient temperature:	−40°C…+ 85°C

### Type and item number:

Relay interface:	PCD2.K552 with 8 G2RL-1 relays and LEDs	
Relays:	G2RL-1, 24DC (OMRON)	91E025849
Spring clip:	EMR/15	91E025914

4   Old product versions

4.1   PCD2.K551 relay interface with relay type G2R-1

Relay interface to PCD2.A460 with 8 plug-in relays. The logical state of the relay is
displayed with an LED: Relay switched on: LED on
                              Relay switched off: LED off
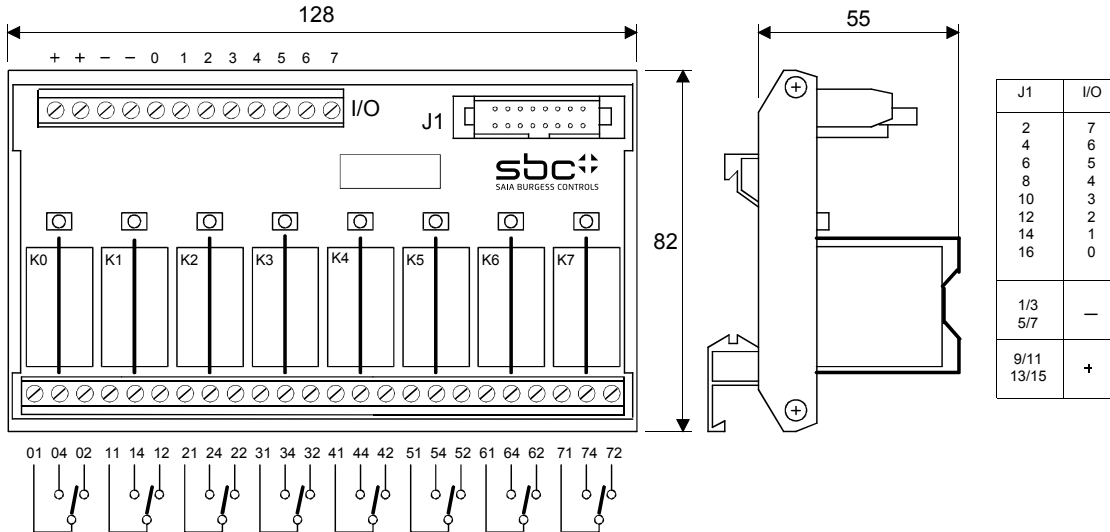
PCD end: 16-pole ribbon connector I/O (or screw terminals J1),
Process end: 24 screw terminals 0.5 - 1.5 mm².

Data for relay type G2R-1:

Input voltage:	24 VDC
Input current:	31 mA
Max. switching voltage:	400 VAC / 125 VDC
Nominal current:	10 A
Max. load with COSφ = 1:	AC = 2500 VA DC = 300 W
Max. load with COSφ = 0.4:	AC = 1875 VA DC = 150 W
Mon. load:	100 mA / 5 VDC
Switch-on delay t on:	15 ms
Switch-off delay t off:	10 ms (AC) 5 ms (DC)
Contact coil isolation:	4 kVAC
Isolation between contacts:	1 kVAC
Mech. lifetime (relays):	1×10^6 cycles
Ambient temperature:	25°C…+50°C

Type and item-number: Relay type G2R-1 is no longer supplied,
                              replaced by type G2RL-1

A   Appendix

A.1   Icons

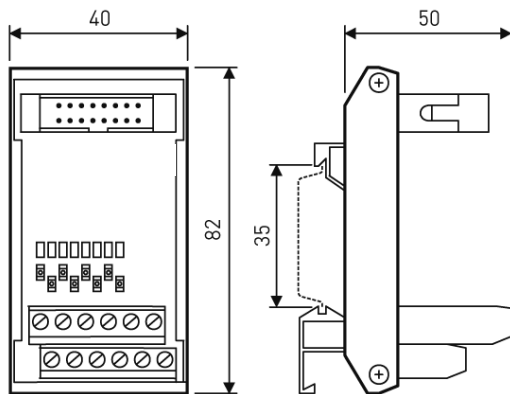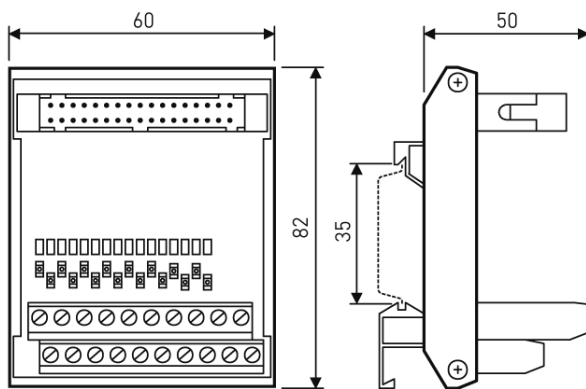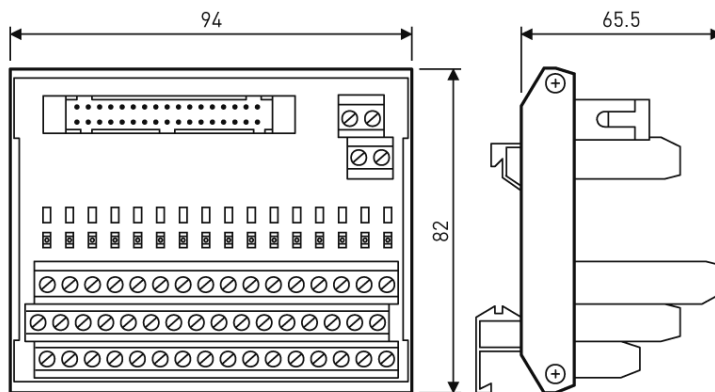|	
i	In manuals, this symbol refers the reader to further information in this manual or other manuals or technical information documents. As a rule there is no direct link to such documents.
	This symbol warns the reader of the risk to components from electrostatic discharges caused by touch. **Recommendation:** Before coming into contact with electrical components, you should at least touch the Minus of the system (cabinet of PGU connector). It is better to use a grounding wrist strap with its cable permanently attached to the Minus of the system.
!	This sign accompanies instructions that must always be followed.
Classic	Explanations beside this sign are valid only for the Saia PCD® Classic series.
xx7	Explanations beside this sign are valid only for the Saia PCD® xx7 series.

A

A.2   Dimensioned drawings

A.2.1   PCD2.K510 and PCD2.K511
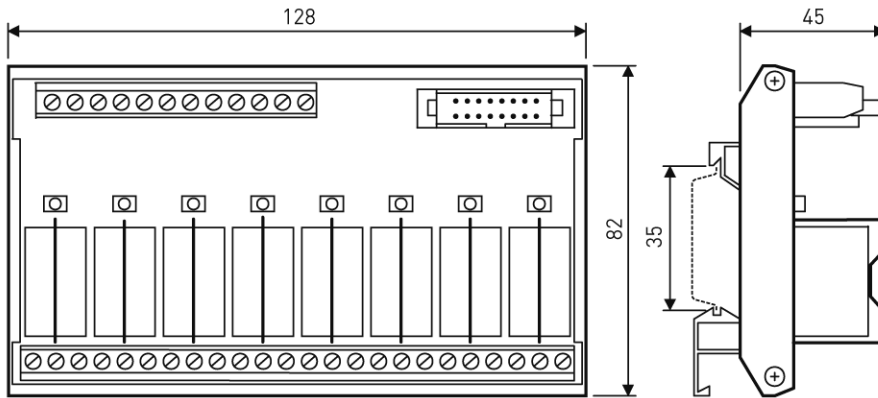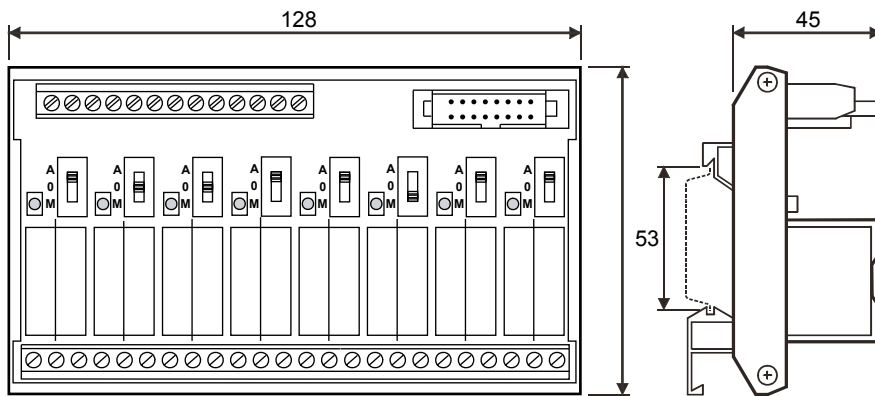
A.2.2   PCD2.K520 and PCD2.K521

A

A.2.3   PCD2.K525

A.2.4   PCD2.K551

A.2.5   PCD2.K552

A

A.3   Order codes

Type	Description	Weight
	Cable for digital I/O modules with 16 inputs or 16 outputs	
PCD2.K221	1.5 m length [1]	240 g
PCD2.K223	3.0 m length [1]	330 g
	Half-round cable to adapters or relay interface	
PCD2.K231	1.0 m length [1]	140 g
PCD2.K232	2.0 m length [1]	220 g
PCD2.K241	**1.0 m length [1]**	120 g
PCD2.K242	**2.0 m length [1]**	200 g
	Cable for digital I/O modules PCD2 with 10-pole	
PCD2.K261	1.5 m length [1]	100 g
PCD2.K263	3.0 m length [1]	445 g
	Cable for analogue I/O modules and ..H.. modules	
PCD2.K271	1.5 m length [1]	100 g
PCD2.K273	3.0 m length [1]	290 g
	Cable for PCD2.A250 relay output module, PCD2.W3x5, PCD2.W6x5 and PCD2.W525	
PCD2.K281	1.5 m length [1]	200 g
PCD2.K283	3.0 m length [1]	650 g
	Cable for digital I/O modules PCD3 with 10-pole	
PCD3.K261	1.5 m length [1]	140 g
PCD3.K263	3.0 m length [1]	260 g
	Cable for PCD3.W3x5, PCD3.W6x5 and PCD3.W525	
PCD3.K281	1.5 m length [1]	220 g
PCD3.K283	3.0 m length [1]	380 g
	Plug-in system cables for manual control/emergency	
PCD3.K800	for PCD3.W800 manual control modules with 4 analogue output channels 8 strands, each 1.0 mm², held together with cable binders , 2.5 m long, Saia PCD side: 8-pole, plug-in spring terminal block type J, process side: strand ends free, numbered	280 g
PCD3.K810	for PCD3.A810 manual control modules with 4 relay outputs 12 strands, each 1.0 mm², held together with cable binders , 2.5 m long, Saia PCD side: 12-pole, plug-in spring terminal block type F, process side: strand ends free, numbered	440 g
PCD3.K860	for PCD3.A860 light and shade modules 4 strands, each 1.5 mm², held together with cable binders , 2.5 m long, Saia PCD side: 4-pole, plug-in spring terminal block type G, process side: strand ends free, numbered	220 g
PCD3.K861	6 strands, each 0.75 mm², held together with cable binders , 2.5 m long, Saia PCD side: 6-pole, plug-in spring terminal block type H, process side: strand ends free, numbered	180 g

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Type	Description	Weight
	Ribbon/screw terminal adapters	
PCD2.K510	for 8 inputs or 8 outputs, with 20 screw terminals, without LEDs	**100 g**
PCD2.K511	for 8 inputs or 8 outputs, with 20 screw terminals and with LEDs [2]	**100 g**
PCD2.K520	for 16 inputs or 16 outputs, with 20 screw terminals, without LEDs	**150 g**
PCD2.K521	for 16 inputs or 16 outputs, with 20 screw terminals and with LEDs [2]	**150 g**
PCD2.K525	for 16 inputs or 16 outputs, with 3 × 16 screw terminals and with LEDs [2]	**280 g**
PCD2.K551	Relay interface for 8 outputs, with LEDs	**340 g**
PCD2.K552	Relay interface for 8 outputs, with LEDs and manual control mode	**400 g**

[1] **Other cable lengths on request**

[2] **For source operation only**

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A.4   Contact

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