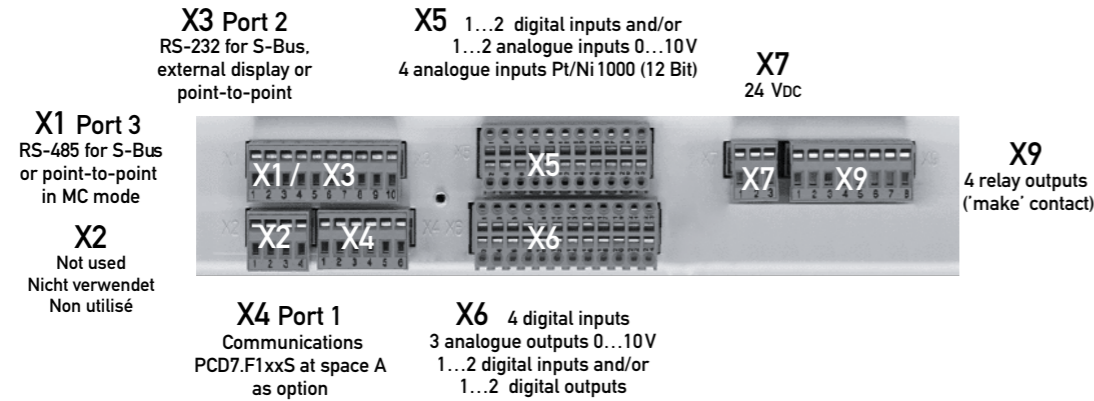


Overview PCS1.C42x
Übersicht PCS1.C42x
Récapitulatif PCS1.C42x

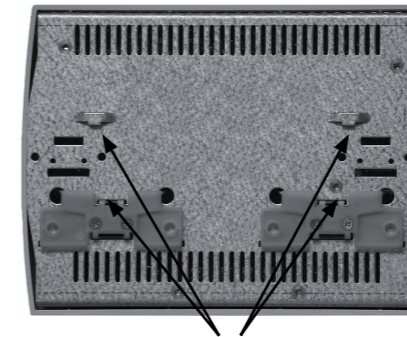


Block	Pin	Name	I/O address	Notes	Block	Pin	Name	I/O address	Notes	
X1	1	Data_Sbus		Port#3, RS-485	X6	1	E0	I0		
	2	/Data_Sbus		S-Bus		3	E1	I1	Digital	
	3	GND		Standard Port on all PCS1		5	E2	I2	inputs, 8ms as PCD2.E110	
X3	4	+5V			7	E3	I3			
	5	n.c.		Port#2, RS-232	9	GND				
	6	GND		External display.	11	GND				
	7	CTS2_ext		Standard port	13	GND				
	8	RxD2_ext		on all	15	GND				
	9	RTS2_ext		PCS1.Cx22 and	17	GND				
	10	TxD2_ext		PCS1.Cx23	19	GND				
	X2	1			Not used	21	GND			
		2			Nicht verwendet	23	GND			
		3			Non utilisé	(24)	(GND)			
4					X6	2	GND		Outputs 0...10V ¹⁾	
X4	1	GND		Optional port		4	A80	O 80 ch 0	Base address = 80	
	2	I1A		RS-485/RS-422/ RS-232		6	A81	O 80 ch 1	see also FBox PCS1.W4xx	
	3	I1B				8	A82	O 80 ch 2		
	4	I1C				10	GND			
	5	I1D				12	GND			
	6	I1G				14	+24V_EXT			
X5	1	COM				16	E/A12	I/O 12	Selectable as digital inputs (as PCD2.B100)	
	3	E48	I 48 ch 0	Inputs 0...10V or digital		18	E/A13	I/O 13	(I 12 & I 13) or as digital outputs (O 12 & O 13)	
	5	E49	I 48 ch 1	Inputs 24VDC		20	GND			
	7	GND			22	GND				
	9	GND		Base address = 48	(24)	GND				
	11	GND		see also FBox PCS1.W2xx	X7	1	Uin +24VDC		Power supply (inc. 24 VDC) for relays	
	13	GND				2	GND			
	15	COM				3	GND			
	X5	17	COM			X9	1	COM16		1. Relay ²⁾ /common open
		19	COM				2	NO16	O 16	
21		COM			3		COM17		2. Relay ²⁾ /common open	
2		COM		GND for Pt/Ni1000 ¹⁾	4		NO17	O 17		
4		E64	I 64 ch 0	Pt/Ni 1000	5		COM18		3. Relay ²⁾ /common open	
6		E65	I 64 ch 1	Base address = 64	6		NO18	O 18		
8		E66	I 64 ch 2	see also FBox PCS1.W3xx	7		COM19		4. Relay ²⁾ /common open	
10		E67	I 64 ch 3		8		NO19	O 19		
12		GND			Intern	A_M16	I 24	Auto/Manual switch read back from		
14		GND			Intern	A_M17	I 25	manual override		
16	GND			Intern	A_M18	I 26	module («emergen- cy control»)			
18	GND			Intern	A_M19	I 27				
20	GND			Intern	A_M80_0	I 32	Auto/Manual switch read back from			
22	GND			Intern	A_M80_1	I 33	manual override			
				Intern	A_M80_2	I 34	module («emergen- cy control»)			

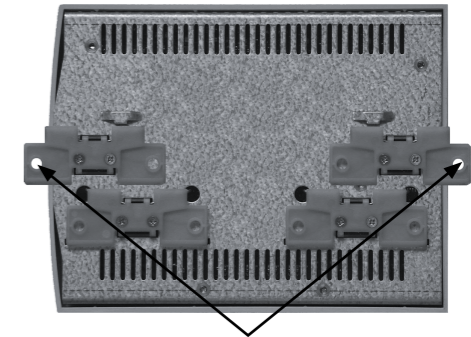
¹⁾ extra filtered
²⁾ With manual/emergency control level as option
³⁾ Caution: If the manual/emergency control level is not equipped,
the status of inputs I24 to I34 is always logical '1'.

PCS1.C42x

Mounting instruction
Montageanleitung
Assemblage

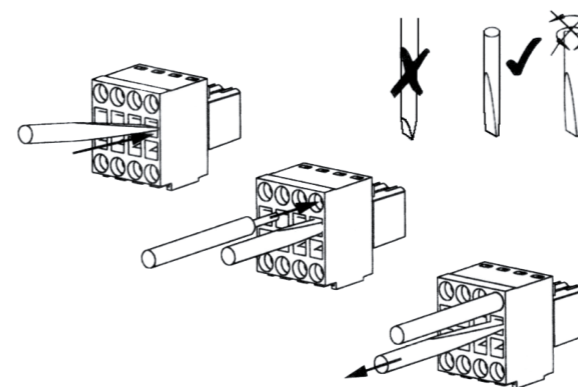


Standard mounting on 35 mm top-hat rail DIN EN 60715
Standard-Montage auf 35 mm-Hutschiene DIN EN 60715
Montage classique sur rail 35 mm DIN EN 60715



Wall-mounting as option
Wandmontage als Option
Montage mural en option
(4'109'4849'0)

Plug-in spring terminals
Steckbare Federkraftklemmen
Bornier à ressort embrochable



The process input terminals are up to 1.0 mm² and the process output terminals are up to 1.5 mm². Process cable must be bared along 7...8 mm (1.0 mm²) or 10 mm (1.5 mm²) and inserted in the terminals.

UL Compliance:

For use of 60/75 °C copper (Cu) wire only.
IMPORTANT: Screwdrivers used should be type SDI 0.4 × 2.5 × 80 (max. width 2.5 mm).

Die Prozess-Eingangsklemmen sind bis 1.0 mm² und die Prozess-Ausgangsklemmen bis 1.5 mm² ausgelegt. Die Prozesskabel müssen 7...8 mm (1.0 mm²) bzw. 10 mm (1.5 mm²) abisoliert und in die Klemmen gesteckt werden.

UL-konformer Einsatz:

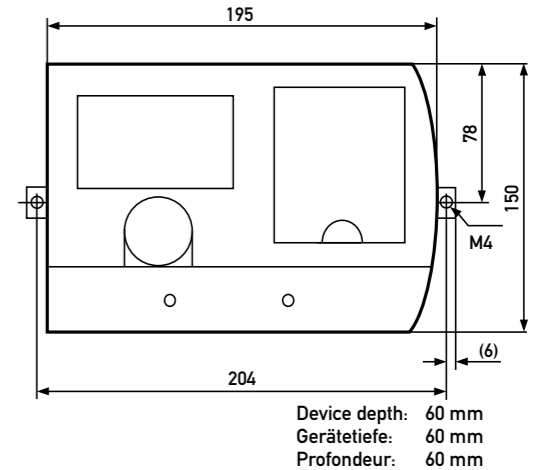
Nur 60/75 °C Kupferleiter (Cu) verwenden.
WICHTIG: Schraubendreher des Typs SDI 0.4 × 2.5 × 80 verwenden (max. Breite von 2.5 mm).

Leur section maximale est de 1 mm² pour les entrées et de 1.5 mm² pour les sorties. Le câble de raccordement côté PCS doit être dénudé sur 7 à 8 mm (1 mm²) ou 10 mm (1.5 mm²), puis être inséré dans les bornes.

Conformité UL :

N'utiliser que des fils de cuivre (Cu) 60/75 °C.
IMPORTANT: utiliser un tournevis du type SDI 0.4 × 2.5 × 80 (largeur max. 2.5 mm) pour ouvrir les ressorts.

Dimension drawing
Massbild
Schémas cotés



Terminal cover
Klemmenabdeckung
Capot cache-bornes

4'111'4927'0



Mounting with the enclosed screws.
Befestigung mit den beiliegenden Schrauben.
Montage avec les visses fournies.

UL Compliance:

Ambient temperature operation max. 55 °C

UL-konformer Einsatz:

Umgebungstemperatur Betrieb max. 55 °C

Conformité UL :

Température ambiante de service 55 °C maxi

For more details, see Technical Information P+P26/345.
Weitere Informationen, siehe TI P+P26/345.
Pour tous détails, consulter l'information technique P+P26/345.

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Support www.sbc-support.com | support@saia-pcd.com

PCS1.C4xx

4'319'5052'0 g

04.2015

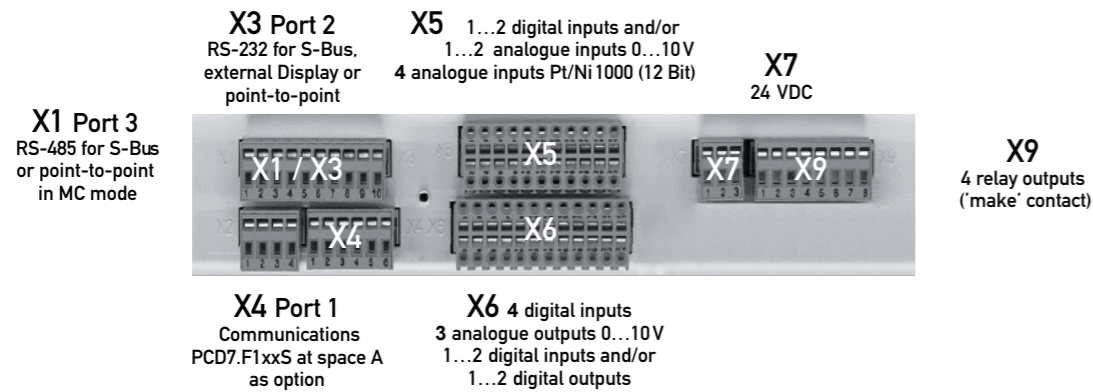
Subject to change without notice

www.saia-pcd.com

Communication Interfaces PCS1.C42x

Kommunikations-Schnittstellen PCS1.C42x

Interfaces de communication PCS1.C42x

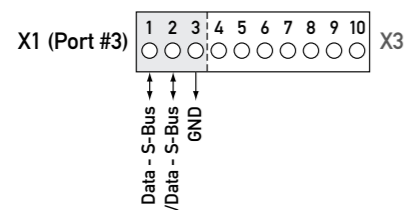


Pins on terminal block X4 for PCD7.F1x0 communications modules at space A

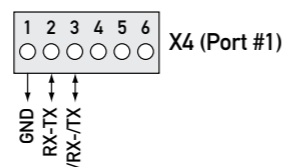
Pin	PCD7.F110S RS-485	PCD7.F110S RS-422	PCD7.F121S RS-232	PCD7.F150S RS-485 *g.i.	PCD7.F180S MP-Bus	
1 (gnd)	GND	GND	GND	—	GND	MP-Bus GND
2 (I1A)	RX - TX	TX	TX	RX - TX	A-COM	MP-Bus signal line
3 (I1B)	/RX - /TX	/TX	RX	/RX - /TX	MST	BELIMO® programming unit
4 (I1C)	—	RX	RTS	—	IN	BELIMO® programming unit detection
5 (I1D)	—	/RX	CTS	—	GND	BELIMO® programming unit GND
6 (I1G)	—	—	—	SGND	—	

*g.i. = galvanically isolated

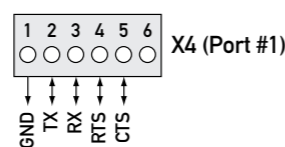
S-Bus/RS-485



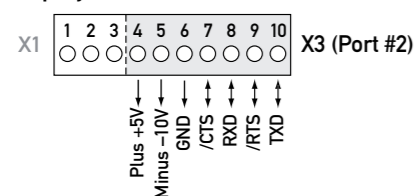
PCD7.F110S – S-Bus/RS-485



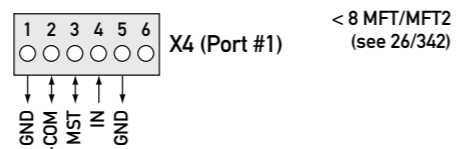
PCD7.F121S – RS-232



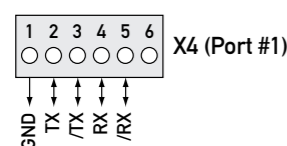
Display PCD7.D230/RS-232 (C422 & C423)



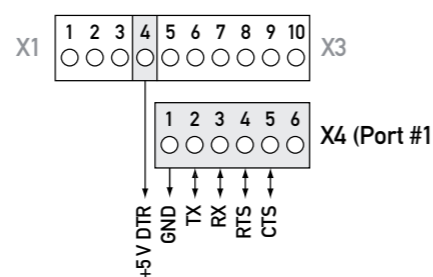
PCD7.F180S – BELIMO® MP-Bus



PCD7.F110S – RS-422



PCD7.F121S – EIB/RS-232

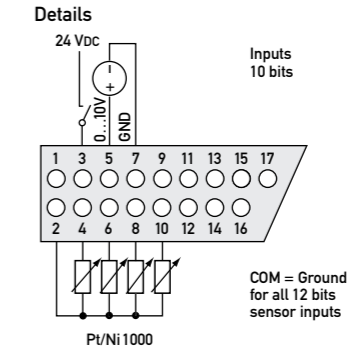
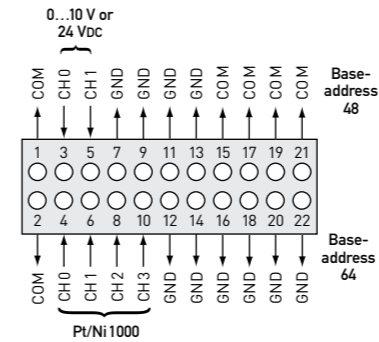


I/O Interfaces PCS1.C42x

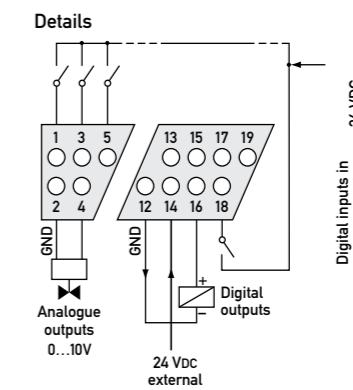
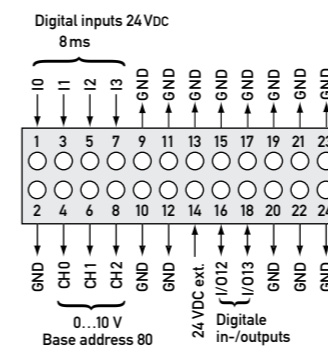
E/A-Schnittstellen PCS1.C42x

Interfaces d'E/S PCS1.C42x

X5

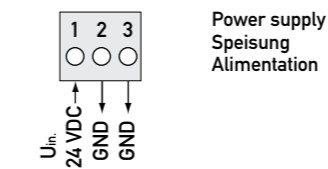


X6



IMPORTANT If combined I/Os 12...15 are used as outputs, an external supply is required (24 VDC external). In such cases only source operation will be possible at the inputs.
WICHTIG Werden kombinierte E/A 12...15 als Ausgänge verwendet, ist eine externe Speisung erforderlich (24 VDC extern). In diesem Fall ist bei den Eingängen nur Quellbetrieb möglich.
IMPORTANT Des qu'une des 4 I/O mixt 12...15 est utilisée comme sortie, une alimentation externe de 24 VCC est nécessaire à la borne 14. Dans ce cas, seul le fonctionnement en logique positive est possible pour les autres entrées.

X7



X9

