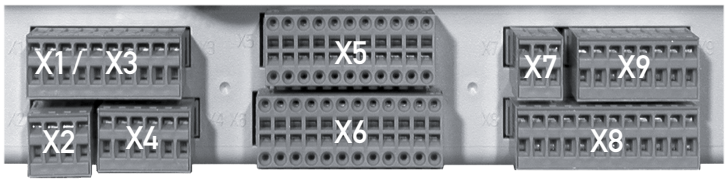
Overview PCS1.C62x
Übersicht PCS1.C62x
Récapitulatif PCS1.C62x



X3 Port 2
RS-232 for S-Bus, external display or point-to-point

X5 1…2 digital inputs and/or 1…2 analogue inputs 0…10 V
6 analogue inputs Pt/Ni 1000 (12 Bit)

X7
24 VDC

X1 Port 3
RS-485 for S-Bus or point-to-point in MC mode

X9
4 relay outputs ('make' contact)

X2
Not used
Nicht verwendet
Non utilisé

X4 Port 1
Communications PCD7.F1xxS at space A as option

X6 6 digital inputs
4 analogue outputs 0…10 V
1…4 digital inputs and/or 1…4 digital outputs

X8
4 relay outputs (changeover)

Block	Pin	Name	I/O address	Notes
X1	1	Data_Sbus		Port #3, RS-485 S-Bus Standard Port on all PCS1
	2	/Data_Sbus		
	3	GND		
X3	4	+5V		Port #2, RS-232 External display. Standard port on all PCS1.Cx22 and PCS1.Cx23
	5	n.c.		
	6	GND		
	7	CTS2_ext		
	8	RxD2_ext		
	9	RTS2_ext		
	10	TxD2_ext		
X2	1			Not used Nicht verwendet Non utilisé
	2			
	3			
	4			
X4	1	GND		Port #1 Optional port RS-485/RS-422/ RS-232
	2	I1A		
	3	I1B		
	4	I1C		
	5	I1D		
	6	I1G		
X5	1	COM		Inputs 0…10 V or digital Inputs 24 VDC Base address = 48 see also FBox PCS1.W2xx
	3	E48	I 48 ch 0	
	5	E49	I 48 ch 1	
	7	GND		
	9	GND		
	11	GND		
	13	GND		
	15	COM		
	17	COM		
	19	COM		
	21	COM		
X5	2	COM		**GND for Pt/Ni 1000** [1]
	4	E64	I 64 ch 0	Pt/Ni 1000 Base address = 64 see also FBox PCS1.W3xx
	6	E65	I 64 ch 1	
	8	E66	I 64 ch 2	
	10	E67	I 64 ch 3	
	12	GND		
	14	GND		
	16	E68	I 64 ch 4	
	18	E69	I 64 ch 5	
	20	GND		
	22	GND		
X6	1	E0	I 0	Digital inputs, 8 ms as PCD2.E110
	3	E1	I 1	
	5	E2	I 2	
	7	E3	I 3	
	9	E4	I 4	Digital inputs, 0.2 ms as PCD2.E111
	11	E5	I 5	
	13	GND		
	15	GND		
	17	GND		
	19	GND		
	21	GND		
	23	GND		
	24	GND		

Block	Pin	Name	I/O address	Notes
X6	2	GND		Outputs 0…10 V [1]
	4	A80	O 80 ch 0	
	6	A81	O 80 ch 1	Base address = 80 see also FBox PCS1.W4xx
	8	A82	O 80 ch 2	
	10	A83	O 80 ch 3	
	12	GND		Selectable as digital inputs (as PCD2.B100) (I 12 … I 15) or as digital outputs (O 12 … O 15)
	14	+24V_EXT		
	16	E/A12	I/O 12	
	18	E/A13	I/O 13	
	20	E/A14	I/O 14	
	22	E/A15	I/O 15	
	(24)	GND		
X7	1	Uin +24VDC		Power supply (inc. 24 VDC) for relays
	2	GND		
	3	GND		
X8	1	NO20	O 20	1. Relay [2] /open common closed
	2	COM20		
	3	NC20	O 20	
	4	NO21	O 21	2. Relay [2] /open common closed
	5	COM21		
	6	NC21	O 21	
	7	NO22	O 22	3. Relay [2] /open common closed
	8	COM22		
	9	NC22	O 22	
	10	NO23	O 23	4. Relay [2] /open common closed
	11	COM23		
	12	NC23	O 23	
X9	1	COM16		5. Relay [2] /common open
	2	NO16	O 16	
	3	COM17		6. Relay [2] /common open
	4	NO17	O 17	
	5	COM18		7. Relay [2] /common open
	6	NO18	O 18	
	7	COM19		8. Relay [2] /common open
	8	NO19	O 19	
Intern		A_M16	I 24	Switch pos.1
Intern		A_M17	I 25	
Intern		A_M18	I 26	
Intern		A_M19	I 27	
Intern		A_M20	I 28	Acknowledgement of manual/ emergency control level
Intern		A_M21	I 29	
Intern		A_M22	I 30	
Intern		A_M23	I 31	Auto/Man = 1/0 [3]
Intern		A_M80_0	I 32	Switch pos.1
Intern		A_M80_1	I 33	
Intern		A_M80_2	I 34	
Intern		A_M80_3	I 35	

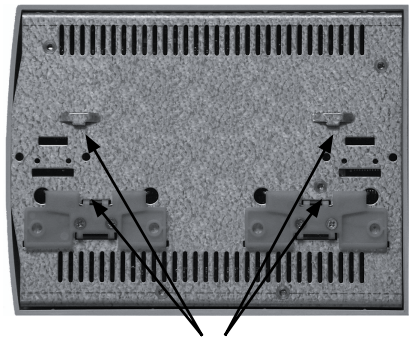
[1] extra filtered

[2] With manual/emergency control level as option

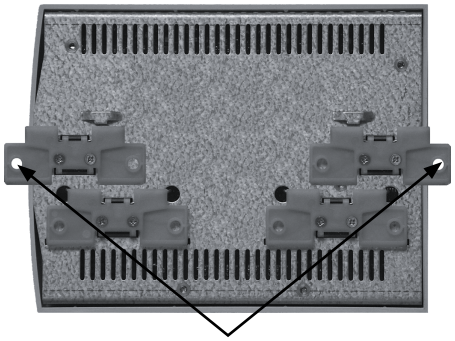
[3] Caution: If the manual/emergency control level is not equipped, the status of inputs I24 to I35 is always logical "1".

PCS1.C62x

Mounting instruction
Montageanleitung
Assemblage

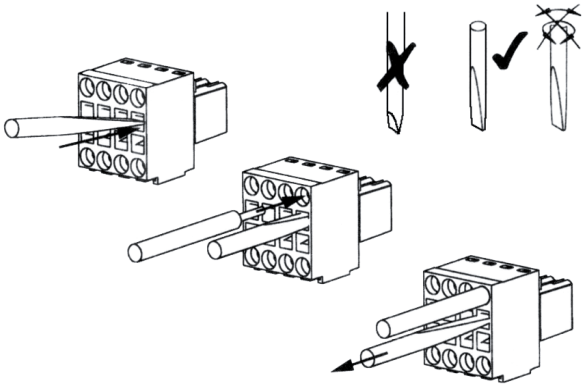


Standard mounting on 35 mm top-hat rail DIN EN 60715
Standard-Montage auf 35 mm-Hutschiene DIN EN 60715
Montage classique sur rail 35 mm DIN EN 60715



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).

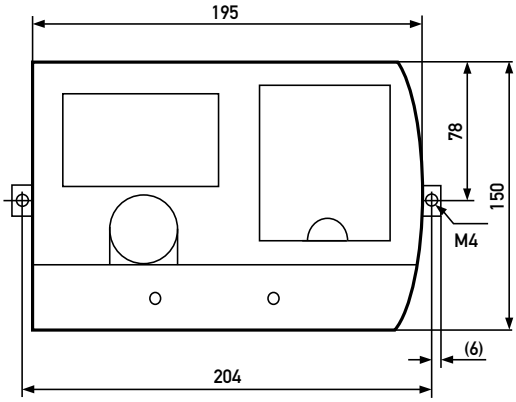
Leur section maximale est de 1 mm² pour les entrées et de 1.5 mm² pour les sorties. Le câble de raccordement côte PCS doit être dénudé sur 7 à 8 mm (1 mm²) ou 10 mm (1.5 mm²), puis être inséré dans les bornes.

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



Device depth: 60 mm
Gerätetiefe: 60 mm
Profondeur: 60 mm

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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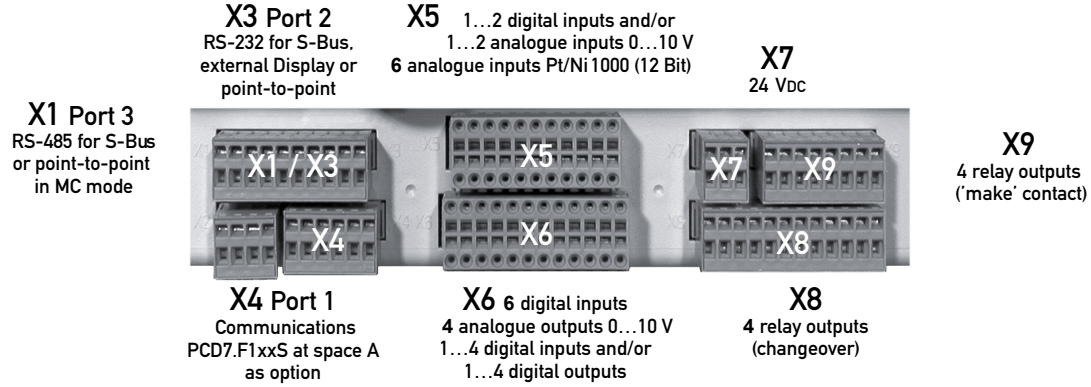
4'319'5051'0 f 02.2014
Subject to change without notice

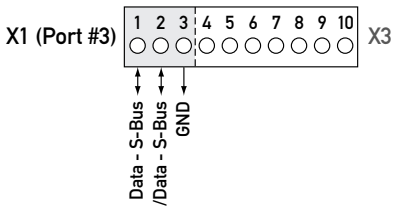
Communication Interfaces PCS1.C62x
Kommunikations-Schnittstellen PCS1.C6xx
Interfaces de communication PCS1.C6xx



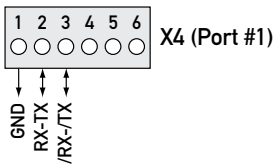
Pins on terminal block X4 for PCD7.F1x0 communications modules at space A

Pin	PCD7.F110S RS-485	PCD7.F110S RS-422	PCD7.F121S RS-232	PCD7.F150S RS-485 *g.i.	PCD7.F180S MP-Bus	*g.i. = galvanically isolated
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	—	

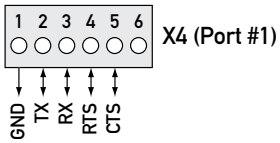
S-Bus/RS-485



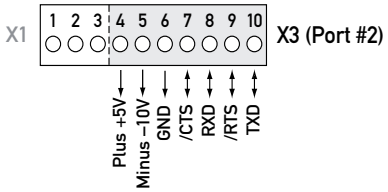
PCD7.F110S – S-Bus/RS-485



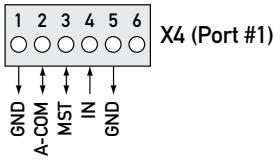
PCD7.F121S – RS-232



Display PCD7.D230/RS-232 (C622 & C623)

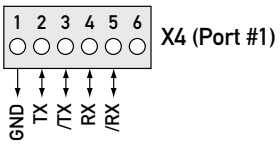


PCD7.F180S – BELIMO® MP-Bus

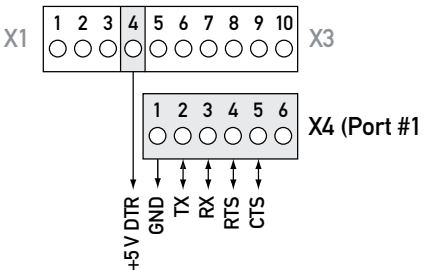


< 8 MFT/MFT2
(see 26/342)

PCD7.F110S – RS-422

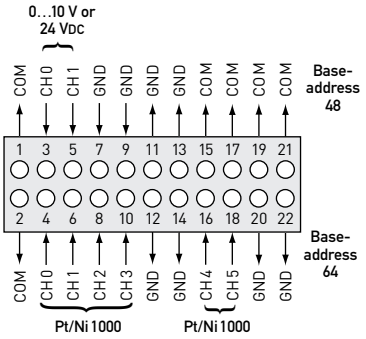


PCD7.F121S – EIB/RS-232

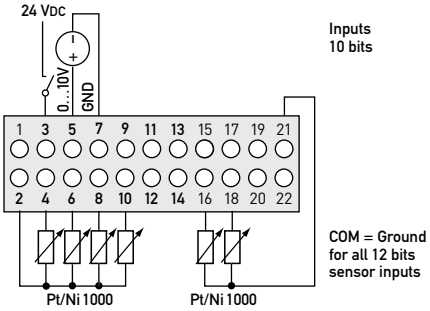


I/O Interfaces PCS1.C6xx
E/A-Schnittstellen PCS1.C6xx
Interfaces d'E/S PCS1.C6xx

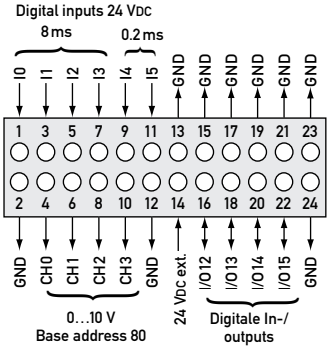
X5



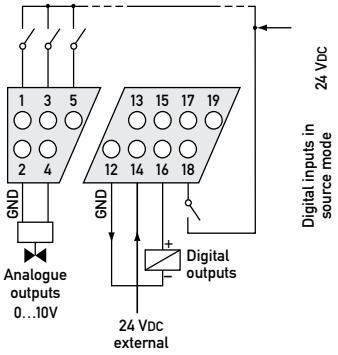
Details



X6



Details

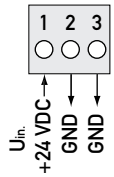


IMPORTANT If combined I/Os 12…15 are used as outputs, an external supply is required (24 VDC external). In such cases only source operation will be possible at the inputs.

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.

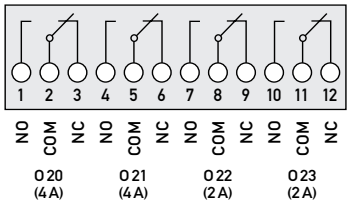
IMPORTANT Des qu'une des 4 I/O mixt 12…15 est utilisée comme sortie, une alimentation externe de 24 VCC est néssesaire à la borne 14. Dans ce cas, seul le fonctionnement en logique positive est possible pour les autres entrées.

X7

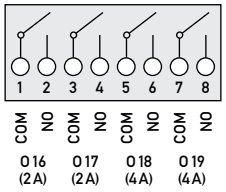


Power supply
Speisung
Alimentation

X8



X9



Details

2-stage fan controller with mutual latching
2-stufige Ventilatorsteuerung mit gegenseitiger Verriegelung
Commande de ventilateur bivitesse avec verrouillage des sorties entre elles.