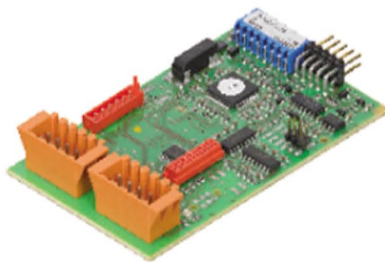
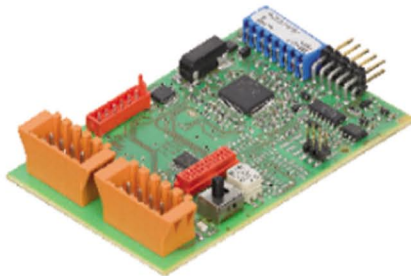


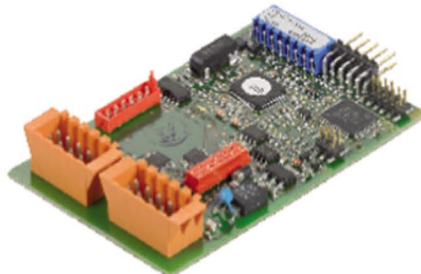
Saia® PCD2 System Interface moduler



PCD2.F2210



PCD2.F2150



PCD2.F2810



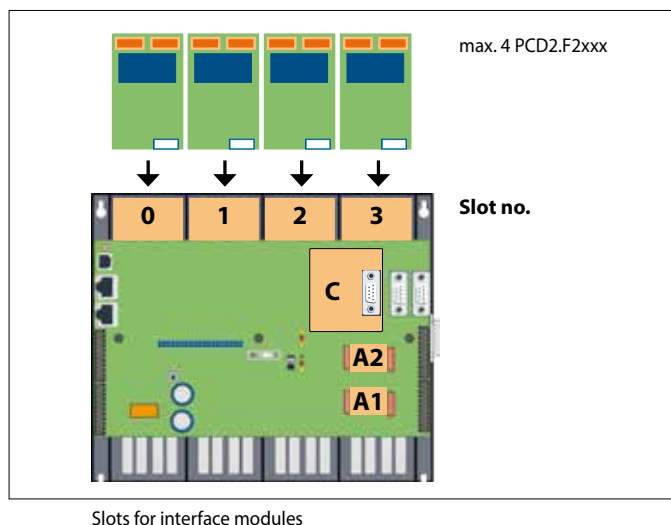
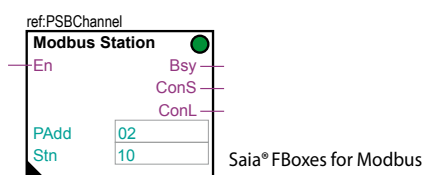
Malthe Winje

Communication interfaces of the Saia® PCD2.M5xxx controllers

In addition to the On-Board interfaces of Saia® PCD2, the interface functions can also be extended in a modular way by means of the various slots. Numerous protocols are therefore supported by the PCD2.M5xxx series. The physical bus specifications are offered for the majority of protocols as a plug-in module. If this is not the case, the bus can be connected via an external converter.

Protocols supported by the PCD2.M5xxx via FBoxes

- ▶ Modem communication with the PCD
- ▶ HMI editor applications with PCD7.Dxxx text terminals
- ▶ Serial S-Net (S-Bus)
- ▶ Modbus
- ▶ JCI N2-Bus
- ▶ KNX® S-Mode/EIB (with external converter)
- ▶ DALI
- ▶ EnOcean (with external converter)
- ▶ M-Bus
- ▶ BACnet®



Physical interfaces that can be freely programmed

	Module	Specifications	Current draw		Slot
			5 V bus	+ V bus	
 PCD7.F150S	PCD7.F110S	RS-422 with RTS/CTS or RS-485 (electrically connected), with line termination resistors capable of activation.	40 mA	---	A1 / A2
 PCD2.F2150 mit PCD7.F150S	PCD7.F121S	RS-232 with RTS/CTS, DTR/DSR, DCD	15 mA	---	A1 / A2
	PCD7.F150S	RS-485 electrically isolated, with line termination resistors capable of activation	130 mA	---	A1 / A2
	PCD2.F2100	RS-422 / RS-485 plus PCD7.F1xxS as option	110 mA	---	I/O 0-3
	PCD2.F2210	RS-232 plus PCD7.F1xxS as option	90 mA	---	I/O 0-3

Physical interfaces for specific protocols

	Module	Specifications	Current draw		Slot
			5 V bus	+ V bus	
 PCD2.F2210	PCD7.F180S	Belimo MP-Bus, for connecting up to 8 drives on one line	15 mA	15 mA	A1 / A2
	PCD2.F2150	BACnet® MS/TP	110 mA	---	I/O 0-3
 PCD2.F2150	PCD2.F2610	DALI	90 mA	---	I/O 0-3
	PCD2.F2700	M-Bus 240 nodes	70 mA	8 mA	I/O 0-3
	PCD2.F2710	M-Bus 20 nodes	70 mA	8 mA	I/O 0-3
	PCD2.F2720	M-Bus 60 nodes	70 mA	8 mA	I/O 0-3
	PCD2.F2730	M-Bus 120 nodes	70 mA	8 mA	I/O 0-3
 PCD2.F2810	PCD2.F2810	Belimo MP-Bus with slot for PCD7.F1xxS modules	90 mA	15 mA	I/O 0-3
	PCD7.F7500	Profibus-DP Master	200 mA	---	C
	PCD2.T814	Analog modem 33.6 kbit/s (RS-232 and TTL interface)	250 mA	---	I/O 4+ A1
	PCD2.T851	Digital modem ISDN-TA (RS-232 and TTL interface)	250 mA	---	I/O 4+ A1

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System properties of PCD2.F2xxx modules:

The following points must be observed when using the PCD2.F2xxx interface modules:

- ▶ For each PCD2 system, up to 4 PCD2.F2xxx modules (8 interfaces) can be used in slots 0...3.
- ▶ The PCD2 system has a processor to look after both the application and the serial interfaces. Processing of the interface modules requires the appropriate CPU capacity.
- ▶ To determine the maximum communication capacity for each PCD2.M5 system, consult the information and examples provided in Manual 26/856 for PCD2.M5.