Interface options Saia PCD® E-Controller (PCD1.M0160E0)

In addition to the onboard interfaces, modular expansion of interface functions is possible using slot A.
For this purpose, the Saia PCD1.M0160E0 supports numerous protocols. A detailed list of all protocols is
contained in Chapter B2 "Communication & Interaction".

Communication		Current consumption at 5V bus	Current consumption at +V bus (24 V)	
PCD7.F110S	RS-485/RS-422 not electrically isolated	40 mA	---	Slot A
PCD7.F121S	RS-232 with RTC/CTS, DTR/DSR, DCD suitable for modem or EIB connection	15 mA	---	Slot A
PCD7.F150S	RS-485 electrically isolated, with termination resistors that can be activated	130 mA	---	Slot A
PCD7.F180S	Belimo MP-Bus, for connecting up to 8 drives on one line	15 mA	15 mA	Slot A

Analogue output module Saia PCD7.W600

This module has 4 analogue outputs 0 to +10 V with a 12-bit resolution and has been specifically developed to
use with the new PCD1 CPUs (PCD1.M2xxx, PCD1.M0160E0, PCD1.M2110R1). It can be plugged into slot A of the
PCD1 CPU like the PCD7.F1xxS communication module.

Memory modules

The onboard memory can be expanded with a PCD7.Rxxx module in slot M1. The E-Controller can also be expanded
with BACnet® or LON IP.

For more information on memory management and structure, see the Chapter Saia PCD® System Description.

Memory expansion and communication		
PCD7.R550M04	Flash memory module with a 4 MB file system (for user program backup, web pages, etc.)	M1
PCD7.R560	Flash memory module for BACnet® firmware,	M1
PCD7.R562	Flash memory module for BACnet® firmware with 128 MB file system	M1
PCD7.R580	Flash memory module for LON IP firmware	M1
PCD7.R582	Flash memory module for LON IP firmware with a 128 MB file system	M1
PCD7.R610	Basic module for Micro SD flash card	M1
PCD7.R-MSD1024	Micro SD flash card 1024 MB, PCD formatted	PCD7.R610

PCD7.R55xM04

PCD7.R610

For the parallel operation of S-Monitoring and BACnet® or LON IP, please note the instructions on the support
site (www.sbc-support.com).

Accessories and consumables

EPLAN macros

EPLAN macros are available for project planning
and engineering

The EPLAN® electric P8 macros are available
on the support site.

The macros and article data are also provided
on the EPLAN® data portal.

Battery for data backup	
Type	Description
4 507 4817 0	Lithium battery for PCD processor unit (RENATA button battery type CR 2032)

Plug-in screw terminal block		
4 405 5089 0	Plug-in screw terminal block, 11-pin, labelling 0…10	Terminal X0
4 405 5087 0	Plug-in screw terminal block, 9-pin, labelling 11…19	Terminal X1
4 405 5088 0	Plug-in screw terminal block, 10-pin, labelling 20…29	Terminal X2
4 405 4919 0	Plug-in screw terminal block, 10-pin, labelling 30…39	Terminal X3

1 Automation stations

2 Operation and monitoring

3 Dedicated room controllers

4 Consumer data acquisition

5 Switch cabinet components