SIEMENS

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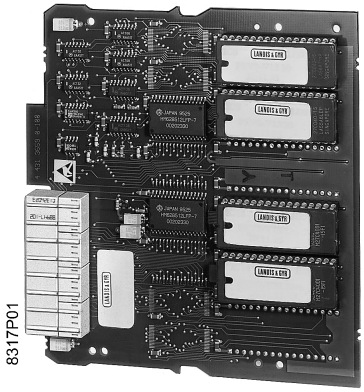


VISONIK®

Program cards

BPS1.M/...
PVA3...

For basic units PRV2... / BPS1.ECU

Program cards for basic units PRV2... or BPS1.ECU The basic units for BPS/NetBPS from VISONIK DCS V12/V20 or for EcuBPS from VISONIK DCS V18 are combined with these cards. Available in three models:

- **PVA3.01/Vxx with 140 KB memory for applications**
- **PVA3.02/Vxx with 640 KB memory for applications**
- **BPS1.M/E2-Vxx with 640 KB memory for applications—for EcuBPS only**

Use

The PVA3... or BPS1.M/... program cards are inserted in the basic units PRV2... or BPS1.ECU, thereby converting these units into a VISONIK BPS/NetBPS or an EcuBPS

Functions

The program cards contain the following functions and data:

- Operating system; newest version integrated at factory (/Vxx)
- Plant operating program, project-specific (VISONIK BPS/NetBPS)

Siemens Building Technologies
Landis & Staefa Division

Type summary

Program card with 512KB RAM	**PVA3.01/Vxx** *)
Program card with 1024KB RAM	**PVA3.02/Vxx or BPS1.M/E2-Vxx** *)

*) The version designation /Vxx is a part of the ASN number and must be indicated on ordering; for example PVA3.01/V18 (/Vxx corresponds to the current version).

Equipment combinations

Basic unit BPS/NetBPS	**PRV2...**	Data sheet N8305
Basic unit EcuBPS	**BPS1.ECU**	Data sheet N8307

Technical design

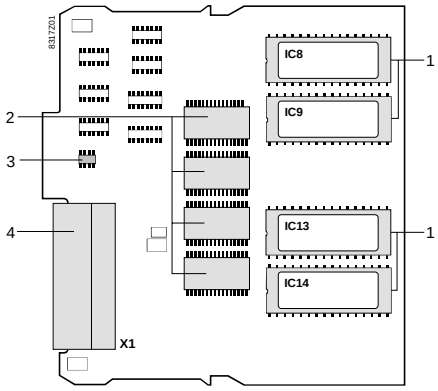
The program cards contain the following functional units and the associated memory blocks:

– Operating system for the BPS/NetBPS, or EcuBPS, saved in EPROMs at factory.
– The EEPROM for storing the manufacturing and configuration data.
– RAM blocks for storing the plant operating program, the operating dialog and the message buffer.
– Interface for basic unit, in the form of a pin connection.

Mechanical design

View of the program card

Plug-in circuit board cards. Internal connection to BPS/NetBPS or EcuBPS



1 Operating system memory:
4 EPROM blocks at 512 KB
2 Process data memory:
4 SRAM blocks at 128 KB on type PVA3.01
2 SRAM blocks at 512 KB on type PVA3.02 or type BPS1.M/E2
3 Memory for factory and configuration data:
EEPROM 128 bytes
4 Pin connection
for basic unit PRV... or BPS1...

Engineering notes

Note the following during engineering:

- Use these cards only for applications as described in the brief description on the title page (bold print) and the section "Use".
- Create the plant operating program in accordance with the control and supervisory requirements of the respective plant and by including all safety-related issues.

Program card selection

The **PVA3.01/Vxx** program card is used in the VISONIK BPS/NetBPS.

- For standard DDC applications.
- For plants with max. 80 MONOGYR devices (RCE81, SEZ81) and a heat, cooling or air handling plant.
- As a TEC master with max. 40 FLN devices (RCE91, 92, 93 and RWI).

The **PVA3.02/Vxx** program card is used in the VISONIK BPS/NetBPS.

- For applications whose scope of functions is greater than the above.
- When the operating dialog and the message buffer are to be installed and set up respectively.
- As a TEC master with max. 80 FLN devices (RCE91, 92, 93 and RWI).

The **BPS1.M/E2-Vxx** program card can be used only in the EcuBPS.

Mounting notes

The program cards are delivered with mounting instructions. These instructions show where and how to insert the respective cards in the basic unit.

Do not touch electrical contacts or components on the open unit or card, as electrostatic discharges may destroy sensitive components!

When mounting, apply suitable safety measures such as using an earthed antistatic mat connected to your wrist.

Commissioning notes

Insert a program card to commission the VISONIK BPS/NetBPS or EcuBPS.

Technical data

The following list contains the primary technical data for the program cards.

Memory for applications:	
PVA3.01/Vxx	140 KB (SRAM)
PVA3.02/Vxx , BPS1.M/E2-Vxx	640 KB (SRAM)
System software:	
All types	2 MB (EPROM)
Weight without packaging	0.11 kg

CE conformity

In accordance with the European Union directives on electromagnetic compatibility	89/336/EEC
Emissions	EN 50 081-1
Immunity	EN 50 082-2

Note

The environmental conditions and all further general data of the basic units equally apply; see data sheets N8305 or N8307.