

VISONIK®

Program card

BPS1.M/...

For basic units BPS1... / BPS1.ECU

Program card for basic units BPS1... or BPS1.ECU. The basic units for BPS/NetBPS from VISONIK DCS V12/V20 or for EcuBPS from VISONIK DCS V18 are combined with this card:

- **BPS1.M/E2-Vxx with 640 KB memory for applications.**

Use

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

Functions

The program card contains the following functions and data:

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

Type summary

Program card with 1024KB RAM

BPS1.M/E2-Vxx

*) Version designation -Vxx is a part of the ASN number and must be indicated on ordering; for example BPS1.M/E2-v18 (-Vxx corresponds to the current version).

Equipment combinations

Basic unit BPS/NetBPS
Basic unit EcuBPS

BPS1...
BPS1.ECU

Data sheet N8306
Data sheet N8307

Technical design

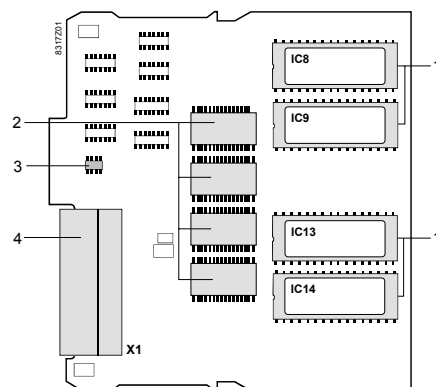
The program card contains the following functional units and the associated memory blocks:

- 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:
2 SRAM blocks at 512KB on type BPS1.M/E2
- 3 Memory for factory and configuration data:
EEPROM 128 bytes
- 4 Pin connection
for basic unit P 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 in section "Use".
- Create the plant operating program in accordance with the control and monitoring requirements of the respective plant and by including all safety-related issues.

Mounting notes



The program card comes with mounting instructions. These instructions show where and how to insert the card 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:

BPS1.M/E2-Vxx 640KB (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 N8306 or N8307.

