



CANDP-SX

Profibus DP - CAN/CANopen



MAIN FEATURES

CANDP-SX module is a gateway serving as a coupler between a CAN bus system and a Profibus-DP network.

It supports four operating modes for data exchange between the two networks:

- Profibus-DP slave to CAN
- Profibus-DP slave to CANopen master
- Profibus-DP slave to CANopen slave
- Profibus-DP slave to CAN/CANopen with embedded IEC 61131-3 PLC

SUPPLY

Standard supply includes:

- CANDP-SX module
- Software (configuration tool and firmware upgrade tool)
- Complete PDF documentation

SOFTWARE

- LogicView configuration tool
- Firmware upgrade tool

CANDP-SX is typically capable to manage the connection between a Profibus network (up to 104 word in and 104 word out) and up to 24 CANopen devices.

Special configurations allow to manage more complex networks.

CAN message programming and mapping are the principles underlying the function of the module. For each byte making up a CAN message, message mapping allows to define the offset of the corresponding byte in the Profibus dual port. Four connectors are available on the CANDP-SX gateway:

- standard Profibus D9-pin female connector;
- two standard CAN 5-poles open-style connector;
- standard RS232 D9-pin male connector for Modbus connection with the PC configuration tool (LogicView) or other devices supporting the Modbus protocol.

CANDP-SX is also endowed with 11 LEDs for immediate diagnostics.

All the module's functions can be configured and the configuration can be saved to non-volatile FLASH memory. It is also possible to save the settings to file.

Software

The gateway is supplied together with a setup program containing the configuration tool and the firmware upgrade tool.

The configuration tool, named LogicView, easily allows the setting of the gateway by means of an HTML interface and several parameters lists organized in menus.

Additional features

- The module is designed for installation on standard omega support.
- Power supply: 18-36 V DC.
- Two independent CAN bus lines.
- Embedded PLC (64 KB of code) for real-time application development and/or message management.
- Compatible with IEC 61131-3 LogicLab compiler (5 PLC languages).