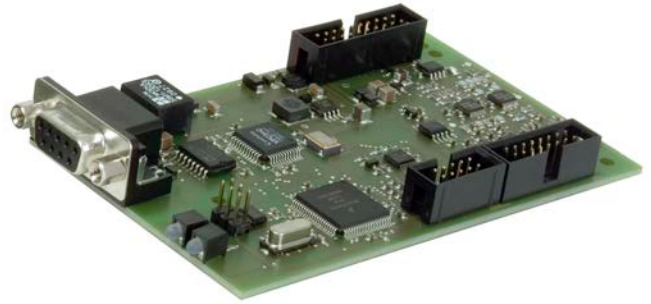*PSC-CAN card*

PSC-PB card

PSC CAN - CANopen Power Supply Controller

Interface between CANopen Bus System and Power Supply

- CANopen standard
- Up to 1Mbit/s communication, baud rate dip switch selectable
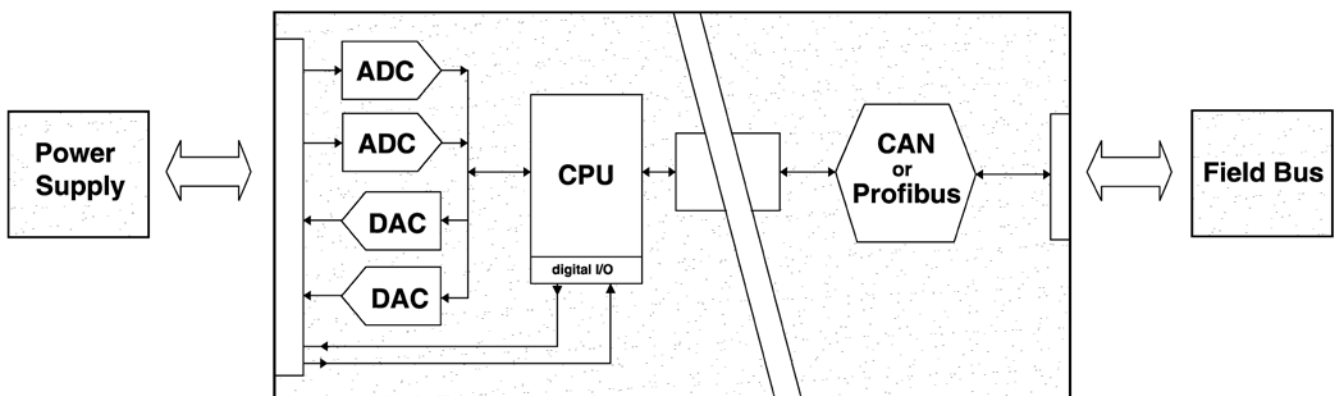
PSC PB - PROFIBUS Power Supply Controller

Interface between PROFIBUS DP Bus System and Power Supply

- PROFIBUS DP V0 standard
- Up to 12Mbit/s PROFIBUS DP communication

Features

- Node address setting selectable
- 600 V galvanic isolation
- Read back of power supply status signals
- Voltage and current programming and monitoring

- Factory installed
- 14-bit resolution for voltage and current setting and read back
- Setting the power supply in Shut Down mode
- Programming and monitoring accuracy < 0.1 %

Your distributor:

Output voltage and current setting and read back

- 14 bit resolution for setting the output voltage and current
- 14 bit resolution for read back (monitoring) of the output voltage and current
- Tc typical 15 ppm/K
- Full scale accuracy < 0.1 %
- Factory offset and full scale calibration in combination with power supply

Status monitoring

The following power supply statuses can be read: ACF, DCF, LIM, OT, PSOL and CC

- ACF = AC Fail
- DCF = DC Fail
- LIM = Voltage and current limit reached
- OT = Over temperature
- PSOL = Power Sink Overload
- CC = Constant Current mode

Controls

- The power supply can be set in RSD mode.
- RSD = Remote Shut Down: shuts down the output of the power supply.

CANopen features

- SYNC Object
- Emergency object
- Node guarding
- Heartbeat
- Expedited and Non expedited SDO transfer
- Node address range 1 - 127
- Baud rate setting range 10 kbit/s - 1 Mbit/s

PROFIBUS features

- Slave in a PROFIBUS-DP network
- DP-V0 standard according to IEC 61784 Ed. 1:2002 CPF 3/1
- PROFIBUS protocol according IEC 61158
- Slave address range 1 - 127

Downloads

- Download the Operating Manual in PDF-format from our website for PROFIBUS or CANopen.

Models	Order Code	Description	Comments
ES150	Option P279	ES150 Series with Build-in PROFIBUS card	Analog programming connector removed
ES150	Option P280	ES150 Series with Build-in CANopen Card	Analog programming connector removed
ES300	Option P281	ES300 Series with Build-in PROFIBUS card	Analog programming connector removed
ES300	Option P282	ES300 Series with Build-in CANopen Card	Analog programming connector removed
SM800	Option P271	SM800 Series with Build-in PROFIBUS Card	Analog programming connector still available
SM800	Option P272	SM800 Series with Build-in CANopen Card	Analog programming connector still available
SM1500N	Option P273	SM1500N Series with Build-in PROFIBUS Card	Analog programming connector still available
SM1500N	Option P274	SM1500N Series with Build-in CANopen Card	Analog programming connector still available
SM6000	Option P277	SM6000 Series with Build-in PROFIBUS Card	Analog programming connector still available**
SM6000	Option P278	SM6000 Series with Build-in CANopen Card	Analog programming connector still available**

**Note: Except on SM600-10 and SM300-20.