



Features

- ✓ CANopen Slave Device according to CANopen protocol DSP 301
- ✓ Up to 16 TPDOs / 16 RPDOs
- ✓ Up to 1420 bytes input and 1420 bytes output data on PROFINET
- ✓ Up to 1 Mbit/s CAN bit rate
- ✓ CANopen NMT, Heartbeat, Nodeguarding, Emergency
- ✓ PROFINET Conformance Class C
- ✓ PROFINET media redundancy (MRP client)
- ✓ Configuration via EDS/DCF file and GSDML file
- ✓ No handling blocks necessary
- ✓ USB device interface for loading the configuration, online diagnosis and firmware update

PROFINET/CAN-Gateway SLIM, CANopen Slave

The PN/CAN gateway SLIM enables simple and straightforward connection of CAN devices to a PROFINET network. On the CAN side, various CAN protocol variants are supported.

The PN/CAN gateway "CANopen Slave" enables the coupling of machines with CANopen bus to machines with PROFINET network and represents a freely configurable full CANopen Slave Device at the CAN bus.

On the PROFINET network the PN/CAN gateway "CANopen Slave" is a PROFINET I/O device and supports transfer rates up to 100 Mbit full duplex. The data of the CANopen SDOs are transparently and freely configurably inserted into the PROFINET network and can thus be read or written directly in the PLC.

The PN/CAN gateway is integrated into the hardware configurator of the PROFINET controller with a GSDML file, and all values of the CANopen slave are available as IO information. Special handling blocks are not necessary. An EDS or DCF file is used to permanently load a plant-specific CANopen device configuration into the device.

The gateway supports CANopen network management, nodeguarding/heartbeat, emergencies and SDO accesses on the CAN bus. Up to 16 RX- and Tx-PDOs can be parameterized. It is also possible to parameterize the CANopen device including PDO mapping via the CAN bus and to send customer specific emergency messages. The features PROFINET MRP (media redundancy) as well as extensive diagnostic functions and an interface for online diagnostics complete the performance features of the PN/CAN gateway.

General Information

Order-no. 700-672-PNC51

Name PROFINET/CAN-Gateway SLIM, CANopen Slave

Scope of delivery	PROFINET/CAN-Gateway SLIM with power plug
Dimensions (D x W xH)	65 x 25 x 109 mm
Weight	Approx. 160g

PROFINET-interface

Number	1
Connection	2x RJ45, integrated Switch
Transmission rate	100 MBpbs, full duplex
Protocol	PROFINET IO Device as defined in IEC 61158-6-10
I/O image size	max. 1440 bytes inputdata / 1440 bytes outputdata
Features	PROFINET Conformance Class C, Media redundancy (MRP client), Automatic addressing, Topology detection (LLDP, DCP), Diagnosis alarms

CAN-interface

Number	1
Type	ISO/DIN 11898-2 CAN High Speed physical Layer
Connection	9-pin D-sub male connector
Baud rate	10, 50, 100, 125, 250, 500, 800, 1000 kbps
Protocol	CANopen according in DSP301 V4.2
TPDOs	16
RPDOs	16
Features	NMT, Heartbeat, Nodeguarding, Sync

USB interface

Protocol	USB 2.0 Device, Full Speed
Connection	USB-C
Electrically isolation	500 V

Status indicator

Function status	4 LEDs, bi-color
Ethernet status	4 LEDs

Power supply

Operating voltage	24 V DC, 18 - 30 V DC
Current draw	max. 105mA at 24 V DC

Power dissipation	max. 2,6 W
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Ambient conditions

Ambient temperature	-40°C bis +75°C
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Transport and storage temperature	-40°C bis +80°C
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Relative humidity	95% without condensation
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Pollution degree	2
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Protection rating	IP 20
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Mounting position	as desired
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Approvals	CE
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