



Features

- ✓ Automatic and controlled receive and transmit objects for CAN frames with configurable identifier
- ✓ Transmission objects can also be transmitted cyclically
- ✓ Receive channel FIFO for receiving CAN frames with flexible identifier
- ✓ Transmission channel FIFO for transmitting any CAN frames with flexible identifier
- ✓ Up to 512 different CAN frames configurable
- ✓ Supports CAN 2.0A (11 bit identifier) and CAN 2.0B (29 bit identifier)
- ✓ Up to 1 Mbit/s CAN bit rate
- ✓ Simple configuration via GSDML file
- ✓ No PLC handling blocks or parameterization software necessary
- ✓ Media redundancy (MRP client)
- ✓ USB device interface for online diagnosis and firmware update
- ✓ small housing

PROFINET/CAN-Gateway SLIM, Layer 2

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 Layer 2 allows the connection of CAN devices with proprietary CAN protocols.

On the PROFINET network, the PN/CAN gateway is a PROFINET I/O device and supports transmission rates of up to 100 Mbit full duplex; on the CAN bus, up to 1 Mbit/s is supported.

The I/O data of the CAN nodes are mapped transparently and freely configurable into the PROFINET network and can thus be processed directly in the PLC.

The PN/CAN gateway is integrated into the hardware configurator with a GSDML file and can be fully configured there. Further software tools for parameterization, or handling blocks for programming, are not necessary, which makes the use of the gateway uncomplicated.

The features MRP (media redundancy) as well as extensive diagnostic functions and an interface for online diagnosis complete the performance characteristics of the PN/CAN gateway.

General Information

Order-no.	700-671-PNC51
Name	PROFINET/CAN-Gateway SLIM, Layer 2
Scope of delivery	PROFINET/CAN-Gateway SLIM with power connector
Dimensions (D x W x H)	65 x 25 x 109 mm
Weight	Approx. 160g

PROFINET-interface

Number	1
Connection	2x RJ45, integrated Switch
Transmission rate	100 MBps, 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	CAN Layer 2 with 11-bit or 29-bit identifier
Features	Automatic and controlled receive and transmit objects
	Receive channel FIFO; Transmit channel FIFO

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
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Current draw	max. 105mA at 24 V DC
Power dissipation	max. 2,6 W

Ambient conditions

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