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

PROFINET / CAN-Gateway
CAN Layer 2

With the PN/CAN gateway an easy and uncomplicated connection of CAN devices to a PROFINET network is possible.

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 number	700-671-PNC01
Article name	PN/CAN gateway, CAN Layer 2
Scope of delivery	PN/CAN-Gateway with power plug
Dimensions (DxWxH)	35 x 84 x 76 mm
Weight	Approx. 160 g

PROFINET interface (X1)

Number	1
Connection	2x RJ45, integrated switch
Protocol	PROFINET IO as defined in IEC 61158-6-10
Transmission rate	100 Mbps
I/O image size	max. 1440 bytes of input / 1440 of output data
Features	Media redundancy (MRP),
	automatic addressing,
	topology detection (LLDP, DCP),
	diagnosis alarms
	PROFINET conformance class C

CAN interface

Number	1
Type	ISO/DIN 11898-2 CAN High Speed physical Layer
Connection	SUB-D connector, 9 pin, male
Transmission rate	50, 100, 125, 250, 500, 800, 1000 Kbit/s
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	Full-speed USB 2.0 device
Connection	USB-C
Electrical isolation	500 V

Status indicator

Function status	4 LEDs bi-color
Ethernet status	4 LEDs

Power supply

Operating supply	24 V DC, 18–30 V DC
Current draw	Max. 150 mA with 24 V DC
Power dissipation	4 W

Ambient conditions

Ambient temperature	0 °C ... +60°C
Transport and storage temperature	-20 °C … +80 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Approvals	CE