



Features

- ✓ Complete SAE J1939 device
- ✓ Broadcast and TP Protocols
- ✓ Supports PDU1 format (dynamic DA) and PDU2 format (group extensions)
- ✓ Protocol Abort Reasons directly readable in the input area
- ✓ Parameterizable priority and EDP
- ✓ Parameterizable device name including the arbitrary address enable bit
- ✓ Dynamically definable SA/DA
- ✓ Automatic response to requests of the parameterized PGNs
- ✓ PGN requests for single and multi-reponses (e.g. diagnostics)
- ✓ Cyclic transmission and time-controlled reception of Single Package and Multi Package PGNs with parameterizable timing
- ✓ Event-triggered sending of PGNs
- ✓ Transparent SAE J1939 protocol access
- ✓ Up to 1420 bytes input and 1420 bytes output data on PROFINET
- ✓ PROFINET media redundancy (MRP client)
- ✓ Configuration via GSDML file
- ✓ No further configuration software or handling modules necessary
- ✓ USB device interface for online diagnosis and firmware update
- ✓ small housing

PROFINET/CAN-Gateway SLIM, SAE J1939

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 SAE J1939 can be used as a complete SAE J1939 device or for the simulation and diagnosis of an SAE J1939 network. The data of the Parameter Groups (PGNs) can be exchanged directly in the I/O data area of the PLC.

The gateway is completely configured with the help of a GSDML via the PROFINET configuration and does not require any additional software. The source address (SA) is freely adjustable. Single and multi-package messages are freely available in direct communication and as requests. In addition, the device can be used as a passive participant for transparent reading of PGN messages of an SAE J1939 network.

The features 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.	700-673-PNC51
Name	PROFINET/CAN-Gateway SLIM, SAE J1939
Scope of delivery	PROFINET/CAN-Gateway SLIM with Power Plug
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	SAE J1939 Device und transparent

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

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

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Änderungen und Irrtümer vorbehalten