

HYP-167

CAN-Interbus-S Gateway (SUPI-3-OPC)

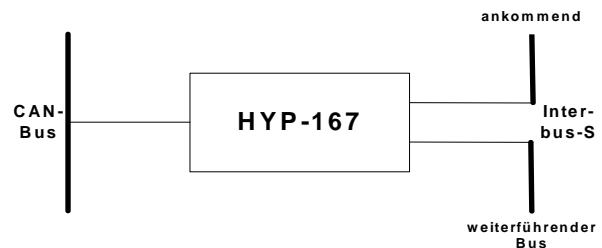


The „Rugged Line“ connectors are heavy duty versions, intended for use in industrial environment.

The systems firmware is stored in an onboard flash memory and can be updated via the integrated RS-232 serial port.

If you have special requirements concerning the gateway functionality or some special CAN-bus protocols, custom specific versions of the firmware can be supplied.

There is a automatic recognition of an existing device on the outgoing Interbus-S connector. If there is no other Interbus-S node connected on the outgoing bus connector, the system will automatically be configured as last device and switch off the light emission on the outgoing bus.



Today the situation appears, that there are used different field bus systems in the same automation projects. So you can find Profibus, Interbus-S and CAN-Bus systems, coexisting on the same installation. Sometimes it is necessary to exchange information between these different field bus systems.

The HYP-167 gateway enables the data exchange between a Interbus-S and a CAN-Bus system.

On the Interbus-S side the HYP-167 represents an Interbus-S node with 32 Bit register length.

On the CAN-Bus side the HYP-167 will accept Interbus-S output data on a specific CAN-Identifier. After the reception of this output data the HYP-167 gateway will send the actual Interbus-S input data with a second different CAN-Identifier on the CAN-Bus.

This allows to adjust the CAN-busload of the gateway from the CAN-Bus side. By this way the CAN busload keeps independent from the Interbus-S refresh cycle.

Die HYP-167 is intended to be used with the "Rugged Line" connector style by Phoenix. The "Rugged Line" connectors use optical fiber connections for the Interbus-S signals.

The HYP-167 is based on a SUPI-3-OPC (Phoenix) chip, which incorporated a light intensity regulation for the fiber optical transmission circuit. The CAN-Controller used is a SAB-C167CR (Infineon), which also runs the firmware to realize the gateway functionality.

Specifications

CAN-Bus:	Sub-D-9 (male), CAN 2.0A/2.0B, optical isolated 100, 125, 250, 500 KBit, 1MBit
Interbus-S:	fiber optic connectors "Rugged Line" (Phoenix Contact) SUPI-3-OPC, 32 bit register length speed selectable 500 KBit or 2 MBit
PC-Interface:	RS-232, DB9, optical isolated
Display:	Power control LED CPU-Run control-LED Interbus-S diagnostic LED's
Size:	176 x 131 x 128 mm
Weight:	1000 g
Power supply:	18-36 Volt DC
Current:	130mA (24 Volt)

Ordering Information

HYP-167-A03 standard version

Options

Customized firmware versions can be supplied on request.