- · Connects the Remote Process Interface to the control system/PLC/PC via MODBUS
- Couples the internal CAN bus to the external MODBUS
- Device installation in Zone 2
- Master function for the internal CAN
- · External bus: MODBUS profile RTU (Remote Terminal Unit)
- External baud rate up to 57.6 KBd
- Standard interface RS 485
- Separate service connection independent from the DCS or PLC through RS 485 interface in addition to MODBUS connection
- 24 V DC supply voltage
- Redundant gateway possible
- EMC acc. to NAMUR NE 21

### **Function**

The KSD2-GW-MOD.485 translates the protocol of the internal CAN bus into the MODBUS RTU protocol of the external bus systems and vice versa.

Up to 125 devices can be connected to a gateway via the Power Rail.

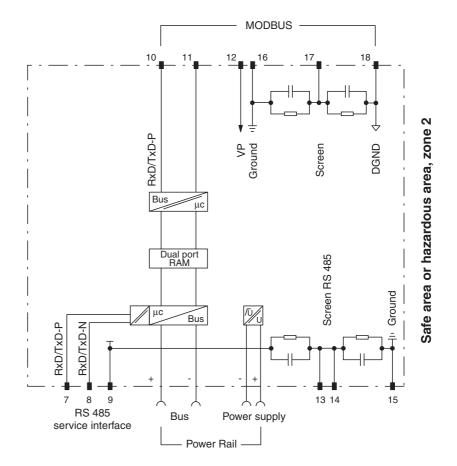
The gateways of multiple RPI segments can be continuously networked with one of the control system's or PLC's independent service levels over the RS 485 service interface in addition to the MODBUS connection.

The operator has access independent of the control system, to the configuration data and parameters of all connected gateways and RPI devices by means of a PC and the RPI human machine interface **PACT** $ware^{TM}$ .

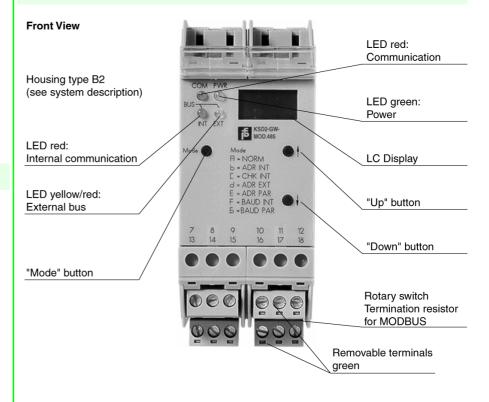
# **Application**

- Connection of the RPI with the control system/PLC/PC via MODBUS.
- Configuration interface for the RPI devices.

### Connection



## Composition



Technical data KSD2-GW-MOD.485

# **Notes**

# Operation

The configuration, parameterisation, addressing, operation and fault detection are performed by PC and FDT compliant human machine interface **PACT***ware*<sup>TM</sup> via RS 485 interface (see RPI system manual). Limited operation without a PC is possible with the control elements of the gateway and the devices.

## **Operating components**

Connection of a PC for the configuration and parameterisation of the system via K-ADP4 adapter to the plug-in screw terminals 7, 8, 9.