ISYGLT®

RS232-GW-01 Gateway

General
The RS232-GW01 module is used to connect third-party systems to the ISYGLT-BUS, thus allowing easy, individual, low-resource data exchange by simple, safe and time-optimised means. On request, we can send you the communication protocol in paper format or as a document by email.

Function displays
- 1 yellow LED indicates by shining permanently the operating voltage. By flashing the communication with the master via subnet
- 1 red LED indicates the transmission of datas
- 1 red LED signalise the receipt of datas

Connections
- 1 connections (RJ45) for the operation voltage (Ub, 0V) and the subnet (BUS a and B, RS485)
- 1 connection SUB-D bush 9pole (RS232) potenial free to the ISYGLT BUS

Design
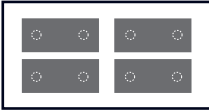- Light grey plastic casing, with fastening clip

Special function DIP switch 1
- reserve
  - switch must be on position OFF

Technical data

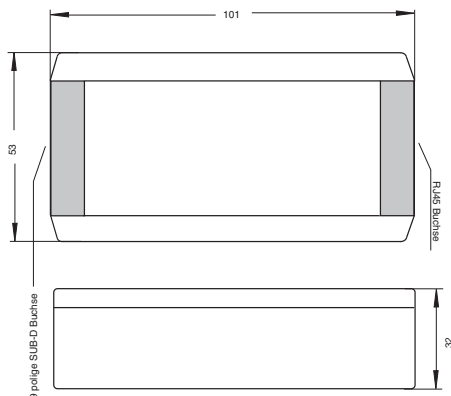| Type	RS232-GW-01
Art. Nr.	80087020
Operating voltage	12V to 35V DC or 12V to 27V AC
Current consumtion	24V DC 30mA
Interface 1	RS-485 for ISYGLT-BUS to communicate with modules
Interface 2	RS-232 interface for the connection of PC / device
Connection	RJ45 and SUB-D bush 9pole
Dimension	LxBxT 102x54x30
Weight	85g
Operating temperature	-10...+50 °C
Storage temperature	-25...+70 °C
Humidity	0...85 % r.F. non condensing
Protection grade	IP 30
ESD immunity	Category 3 according to IEC-1000-4-2 (4 kV static)
EMV immunity	Use in typical industrial enviroment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

Terminal assignment

PIN	RJ485
1	$\cong$ Ub operating voltage
2	0V operating voltage
3	free
4	free
5	free
6	free
7	Subnet (BUS A, RS-485)
8	Subnet (BUS B, RS-485)

PIN	SUB-D bush 9pole	SUB-D bush 9pole
	Jumper position for connection to PC	Jumper position for connection to external device
1	free	free
2	Output TxD	Input RxD
3	Input RxD	Output TxD
4	Input DSR	Output DTR
5	GND (RS-232) masse potential free to the ISYGLT BUS	GND (RS-232) masse potential free to the ISYGLT BUS
6	Output DTR	Input DSR
7	free	free
8	free	free
9	free	free

Note: galvanic separation in module and jumper setting only from version 2.0 up.

View

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Wiring diagram

+24V
0V=
BUS-A
BUS-B

Ub OV BUS A1 BUS B1

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |

Ub OV   RJ45   BUS A1 BUS B2

address
1 2 3 4 5 6 7 8

ISYGLT-RS232-GW-01

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GND RXD TXD DTR

GND PIN5 RXD PIN2 TXD PIN3 DTR PIN4

9-pin SUB-D
socket

GND (Pin5) RXD (PIN2) TXD (PIN3)

SUB-D

ext. device / PC