

## TECHNICAL PARAMETERS

max. transfer rate	230 kb/s
max. length of line	1 200 m
transmitter control	RTS or TxD
receiver control	inverse or permanent
galvanic separation (DC/DC converter)	1 kV
optical separation	2.5 kV
selectable terminator	120 R
connector RS232, PWR	screw
connector RS485	screw
power supply	9 - 50 V DC 10 - 34V AC
input power	1.1 W
overvoltage protection - RS485 side	600W 10/1000 $\mu$ s
overvoltage protection - power supply	600W 10/1000 $\mu$ s
optical indication (LED)	red PWR yellow RxD green TxD
dimension	90 x 36 x 58mm



DIN serie

**DIN 2.1/485**

*isolated converter*

**RS 232 ↔ RS 485**



## CONDITIONS OF WARRANTY

ComErgon provides full warranty of 24 month for serial interface module DIN 2.1/485 starting on the day of purchase. The warranty is except for the cases in which the functioning of the module has been affected by faulty manipulation, natural catastrophes or other external factors.

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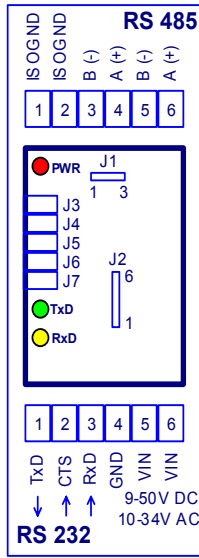


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## LAYOUT OF JUMPERS AND CONNECTORS



## STANDARD SETTING

transmitter control  
 receiver control  
 terminator  
 connected signals  
 hold line  
 (pull-up, pull-down)

**RTS log 1**  
**inverse to transmitter control**  
**120 R**  
**A, B**  
**connected**

## NOTE

It is recommended to connect pull-up and pull down on both sides of RS485 line when RS485 transmitter is controlled by signal TxD.

## OPERATING MODE SETTING

JUMPER	PIN	FUNCTION
<b>RECEIVER CONTROL - RS485</b>		
<b>J1</b>	1 - 2	inverse to transmitter
<b>J1</b>	2 - 3	permanent
<b>TRANSMITTER CONTROL- RS485</b>		
<b>J2</b>	1 - 2, 3 - 4	by signal RTS log 0 (< -3V )
<b>J2</b>	4 - 5	by signal RTS log 1 (>+3V )
<b>J2</b>	5 - 6	by signal TxD
<b>SIGNAL CONNECTION, HOLD LINE, TERMINATOR</b>		
<b>J3</b>	ON *	connected line A
<b>J4</b>	ON *	connected line B
<b>J5</b>	ON *	terminator 120R
<b>J6, J7</b>	ON *	hold line (pull-up,down)

\* **ON** – jumper closed, **OFF** – jumper opened

## RS485 LINE CONFIGURATION

