

TECHNICAL DATA

supported transfer mode

RS485, RS422
4-wire RS485
controlled RS422

max. transfer rate

115 kb/s

max. line length

1 200 m

isolation

1 kV

selectable terminator

120R

connector RS232, PWR

screw

connector RS422, RS485

screw

operating mode selection

rotary switch

overvoltage (soft) protection - RS485

600W/1ms

overvoltage (soft) protection – PWR

600W/1ms

polarity inversion protection

diode

optical indication (LED)

red PWR

yellow RxD

green TxD

power supply

9 - 30 V DC

power consumption

10 – 24V AC

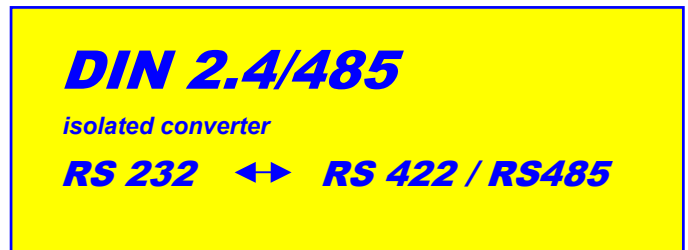
dimension

max 1.2 W

90 x 36 x 58mm



DIN serie



CONDITIONS OF WARRANTY

ComErgon Ltd. provides full warranty of 24 month for serial interface module DIN 2.4/485 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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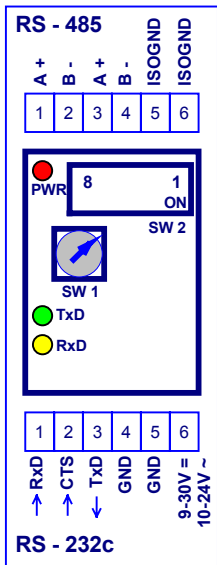
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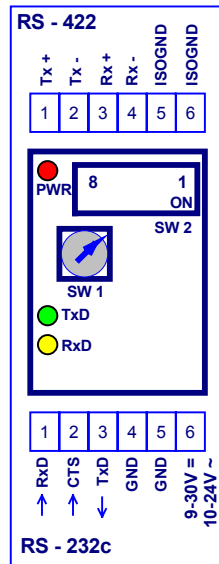


LAYOUT

mode RS 485



mode RS 422



TRANSFER MODE - RS 485, RS 422 - SW 2

SW 2 position 7, 8 ON RS485 A(+), B(-)
 position 7, 8 OFF RS422 Tx+, Tx-, Rx+, Rx-

STANDARD SETTING – SW1 position 2 *

transfer mode RS485
 receiver control permanent
 transmitter control RTS log 1
 terminator 120 Ω
 pull-up, pull-down connected

OPERATING MODE – SW 1

SW1	TRANSMITTER CONTROL	RECEIVER CONTROL
0	RTS loa1	RTS loa0
1	RTS log0	RTS log1
2 *	RTS log1	permanent
3	RTS log0	permanent
4	TxD	inverse to TxD
5	TxD	permanent
6	permanent	permanent
7	forbidden	forbidden
8	RTS log1	RTS log0
9	RTS log0	RTS log1
A	RTS log1	permanent
B	RTS log0	permanent
C	TxD	inverse to TxD
D	TxD	permanent
E	permanent	permanent
F	forbidden	forbidden

LINK PARAMETERS – SW 2

SW 2	RS 485	RS 422
TERMINATOR, PULL-UP, PULL-DOWN		
1 - ON	-	pull down – transm.
2 - ON	-	pull up – transm.
3 - ON	pull up	pull up – receiver
4 - ON	terminator 120 Ohm	terminator 120 Ohm
5 - ON	pull down	pull down - receiver
6 - ON	NC **	NC

** NC – not connect