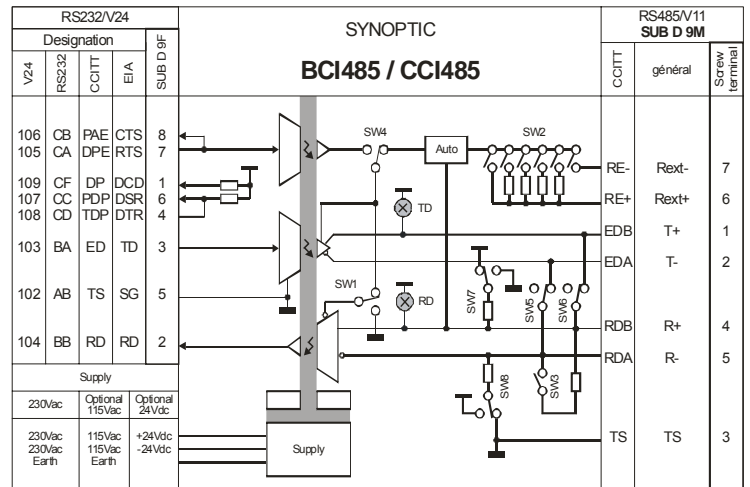


Interface conversion and insulation

RS232 in 485 or RS422 2/4 wires



APPLICATIONS

- Multipoint network
- Interface Insulation
- Remote offset
- Interface adaptation

CONNECTIONS

- RS232 : SUB-D 9 female contacts
- RS485 : SUB-D 9 male contacts
- Power supply : with cable (2,5 m)

RS485 OR RS422 INTERFACE

- Differential interface
- Connection RS485 on 2 or 4 wires
- Internal 120Ω impedance adaptation
- Line reception prepolarization
- Up to 32 RS485 stations
- RS485 length connection :
 - up to 5km (3,1 miles) to 19,2 Kbauds in a light environment (attenuation max 12 dB)
 - up to 2,5km (1,5 miles) at 19,2 Kbauds in a noisy environment (attenuation max 6 dB)
- Automatic RS485 transmitter validation or by the signal "request to send" :
 - Automatic reverse validation :
 - by detection of "START" polarity on RS232 data reception.
 - Driver invalidation on detection of "STOP" polarity during more than 1,5 time character. In this case the box must be configured according to the data rate
 - CTS reverse validation :
 - when CTS is active, the transmitter is validated

RS232 INTERFACE

- Transmitted signals : transmit data and receive data (TD, RD)
- Connection SUB-D 9 pin idem PC
- Signal Request to send (RTS), looped on Clear to send (CTS)
- Signal DS, DRS and CPD polarized to +V
- Length connection RS232 : 15 to 20 m max

FEATURE

- Visualization TD, RD, supply
- Insulation RS232/RS485 : 1500Vrms
- Insulation : 500Vdc if power supply is 24Vdc
- Distortion ratio < 10 % at 19,2 Kbauds
- Rate : up to 115 kbauds
- Housing : plastic compact housing
- Color : black
- Dimensions : 178 x 132 x 36 mm,
- Weight : 0,6Kg,
- Power supply : 230Vac +10, -15 %, 50/60 Hz
- Supply options : 110Vac
- Power dissipation : 2VA
- Ambient temperature : -10°C to +55°C,
- Storage temperature: -25°C to +70°C,
- Humidity : 5 to 95 % without condensation.

CHOICE OF CONFIGURATION

- By internal switch
- RS485 transmitter validation (reverse) by Request to send or automatic
- On 2 wires connections type, natural local echo can be inhibited or not, by invalidation of the receiver during transmitter validation,
- 120Ω impedance adaptation internal or not
- Rate choice in automatic validation mode

ORDER REFERENCES

Table case :

- BCI485 : 230Vac
- BCI485-C : 24Vdc ±10%
- BCI485-110 : 110Vac

RCI014 rack cards :

- CCI485 : 230Vac
- CCI485-C : 24Vdc ±10%
- CCI485-110 : 110Vac

OTHER REFERENCES

DIN rail case :

- CPN485

RS485 repeater:

- RPN485

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