PL-RS232
Intelligent serial communication module

General description
The PL-RS232 Module is a standard serial communication module EIA RS232 for asynchronous communication with computers, digital clocks etc.

A programmable baud rate generator allows transmission of up to 38400 Bits/Second.
Optical display by LED’s for Transmit Data (TD), Receive Data (RD) und RTS.

Characteristics
- Baudrate up to 38400 Bits/Second.
- Hot swap and Plug and Play Functions.
- Automatical take-over function.
- Real time clock (RTC).
- Serial bus connection (2-wire) for communication with Master Clock/Time Base Module (PL-TB).
- Flash for program and parameters stores all datas in case of a power failure.
- Super capacitor for real time clock function (RTC) during a power failure.

Technical datas:
- Art.No.: 123760-00
- Microprocessor: Hitachi H8S/2350
- Program memory: 1 Megabit (128k x 8) Flash memory
- RAM memory: 1 Megabit (128k x 8) SRAM
- Data memory: 100 years (Flash memory)
- Running reserve, Real time clock: 30 days (Back-up Super capacitor)
- Accuracy (stand-alone): ± 0,1 Sec./24 hours
- Transmission: Asynchronous
- Distance: 15 metres
- Interface: EIA RS232, DB9-connector
- Baudrate: Up to 38400 Bits/second
- Measurements: Width = 20 mm. (4TE), Height = 128,4 mm, Depth = 160 mm.
- Weight: 0,15 kgs