PL-RS
Intelligent serial communication module

General description
The PL-RS Module is a standard serial communication module EIA RS232 and EIA RS485/422 for asynchronous communication with computers, digital clocks etc. The module is equipped with 2 outputs, one RS232 and one RS485. 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) and 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.: 123762-00
Microprocessor: Hitachi H8S/2350
Programm 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 RS232: 15 metres
Interface: EIA RS232, DB9-connector
Distance: RS485: 1200 metres
Interface: EIA RS485, 3-polar screw terminal
Electrical isolated: Via opto coupler (data transmission) and transformer (power supply)
Baudrate: Up to 38400 Bits/second
Measurements: Width = 20 mm. (4TE), Height = 128,4 mm, Depth = 160 mm.
Weight: 0,15 kgs

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