SIMATIC ET 200SP

# Product Data Sheet

## 6ES7137-6AA01-0BA0

Serial point-to-point interface module

| RATED SUPPLY | SUPPLY RANGE | NOMINAL CURRENT | MAXIMUM CURRENT |
|---|---|---|---|
| **24 V DC** | **19.2 to 28.8 V DC** | **31 mA** | **35 mA** |

Siemens 6ES7137-6AA01-0BA0 is the CM PtP serial interface module for SIMATIC ET 200SP. It connects RS-232, RS-422 or RS-485 field devices to the distributed station and supports Freeport, 3964(R), USS and Modbus RTU protocol arrangements.

## 01 TECHNICAL DATA

| | |
|---|---|
| Rated supply | 24 V DC |
| Supply range | 19.2 to 28.8 V DC |
| Nominal current | 31 mA |
| Maximum current | 35 mA |
| Power loss | 0.7 W |
| RS-232 maximum rate | 115.2 kbit/s |
| RS-485 maximum rate | 250 kbit/s |
| RS-422 maximum rate | 115.2 kbit/s |
| RS-232 maximum cable | 15 m |
| RS-485 maximum cable | 1200 m rate-dependent |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| RS-422 maximum cable | 1200 m |
| Telegram buffer | 4 kbyte |
| Buffered telegrams | 255 maximum |
| Isolation test voltage | 707 V DC |
| BaseUnit type | A0 |

## 03 PRODUCT FUNCTION

The module operates from 24 V DC on an A0 BaseUnit and provides separate receive, transmit and diagnostic indications. RS-485 transfer reaches 250 kbit/s, while RS-232 and RS-422 are specified up to 115.2 kbit/s. Buffered telegram handling and an optional performance mode allow the controller interface to be adapted to the configured serial data exchange.

## 04 SYSTEM COMPATIBILITY

Wire the serial signals through the push-in BaseUnit terminals according to the chosen interface. RS-232 cable length is limited to 15 m, whereas RS-422 and rate-dependent RS-485 wiring can reach 1200 m under their specified conditions.

## 05 REFERENCE

Siemens 6ES7137-6AA01-0BA0 technical data and applicable product instructions

**AMIKON PRODUCT SUPPORT**

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