



Figure similar

\*\*\* Spare part \*\*\* SIMATIC DP, Electronics module for ET 200S, 1 SI serial interface 1-channel, 15 mm width, RS232/422, 485 ASCII, 3964R

| Supply voltage                    |                                                                                                                   |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Rated value (DC)                  | 24 V                                                                                                              |
| Reverse polarity protection       | Yes                                                                                                               |
| Input current                     |                                                                                                                   |
| from supply voltage L+, max.      | 120 mA                                                                                                            |
| from backplane bus 3.3 V DC, max. | 10 mA                                                                                                             |
| Power loss                        |                                                                                                                   |
| Power loss, typ.                  | 1.2 W                                                                                                             |
| Memory                            |                                                                                                                   |
| Standard blocks                   | 5 100 byte; S_SEND 2700, S_RCV 2400, S_XON 2600, S_RTS 2600, S_V24 2700, S_VSTAT 1800, S_VSET 1800                |
| Interfaces                        |                                                                                                                   |
| Number of interfaces              | 1                                                                                                                 |
| Point-to-point connection         |                                                                                                                   |
| Integrated protocol driver        |                                                                                                                   |
| — 3964 (R)                        | Yes                                                                                                               |
| — ASCII                           | Yes                                                                                                               |
| Telegram length, max.             |                                                                                                                   |
| — 3964 (R)                        | 224 byte                                                                                                          |
| — ASCII                           | 224 byte                                                                                                          |
| Transmission rate, RS 422/485     |                                                                                                                   |
| — with 3964 (R) protocol, max.    | 115.2 kbit/s; half duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps |
| — with ASCII protocol, max.       | 115.2 kbit/s; Full duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps |
| Transmission speed, RS 232        |                                                                                                                   |
| — with 3964 (R) protocol, max.    | 115.2 kbit/s; half duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps |
| — with ASCII protocol, max.       | 115.2 kbit/s; Full duplex: 110, 300, 600, 1 200, 2 400, 4 800, 9 600, 19 200, 38 400, 57 600, 76 800, 115 200 bps |
| Signals                           |                                                                                                                   |
| — RS 232C                         | RS 232C signals: 8 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, PE)                                                        |
| — RS 422                          | TxD(A), RxD(A), TxD(B), RxD(B), GND                                                                               |
| — RS 485                          | R/T(A), R/T(B), GND                                                                                               |
| Character frame (adjustable)      |                                                                                                                   |
| — Bits per character              | 7 or 8                                                                                                            |
| — Number of start/stop bits       | 1 or 2                                                                                                            |
| — Bits per character frame        | 10                                                                                                                |
| — Parity                          | none, odd, even, any                                                                                              |

|                                      |                                                                                                                                |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Data quantity per PLC sampling cycle |                                                                                                                                |
| — Send                               | 32 byte; With IM151-1 Standard as of 6ES7151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7151-1BA01-0AB0; otherwise 8 bytes |
| — Receive                            | 32 byte; With IM151-1 Standard as of 6ES7151-1AA04-0AB0; with IM151-1 High Feature as of 6ES7151-1BA01-0AB0; otherwise 8 bytes |

#### Interface types

|                      |         |
|----------------------|---------|
| RS 232               |         |
| • Cable length, max. | 15 m    |
| RS 485               |         |
| • Cable length, max. | 1 200 m |

#### Interrupts/diagnostics/status information

|                            |     |
|----------------------------|-----|
| Diagnostics indication LED |     |
| • Receive RxD              | Yes |
| • Transmit TxD             | Yes |
| • Group error SF (red)     | Yes |

#### Potential separation

|                                                |     |
|------------------------------------------------|-----|
| Potential separation interface                 |     |
| • Between RS 422/485 and internal power supply | Yes |
| • between RS 232 and internal power supply     | Yes |

#### Ambient conditions

|                                      |       |
|--------------------------------------|-------|
| Ambient temperature during operation |       |
| • min.                               | 0 °C  |
| • max.                               | 60 °C |

#### Dimensions

|        |       |
|--------|-------|
| Width  | 15 mm |
| Height | 81 mm |
| Depth  | 52 mm |

#### Weights

|                 |      |
|-----------------|------|
| Weight, approx. | 50 g |
|-----------------|------|

#### Classifications

|        | Version | Classification |
|--------|---------|----------------|
| eClass | 14      | 27-24-26-08    |
| eClass | 12      | 27-24-26-08    |
| eClass | 9.1     | 27-24-26-08    |
| eClass | 9       | 27-24-26-08    |
| eClass | 8       | 27-24-26-08    |
| eClass | 7.1     | 27-24-26-08    |
| eClass | 6       | 27-24-26-08    |
| ETIM   | 10      | EC001604       |
| ETIM   | 9       | EC001604       |
| ETIM   | 8       | EC001604       |
| ETIM   | 7       | EC001604       |
| IDEA   | 4       | 3564           |
| UNSPSC | 15      | 32-15-17-05    |

#### Approvals / Certificates

##### General Product Approval

[Miscellaneous](#)

[Manufacturer Declaration](#)



[China RoHS](#)



|                          |     |                                |
|--------------------------|-----|--------------------------------|
| General Product Approval | EMV | For use in hazardous locations |
|--------------------------|-----|--------------------------------|



For use in hazardous locations

Maritime application



[Miscellaneous](#)

[CCC-Ex](#)



Maritime application



[NK / Nippon Kaiji Kyokai](#)



[CCS \(China Classification Society\)](#)

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