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## Data sheet 6ES7241-1CH31-0XB0



*** SPARE PART*** SIMATIC S7-1200, COMMUNICATION MODULE CM 1241, RS422/485, 9 PIN SUB D (FEMALE) SUPPORTS MESSAGE BASED FREEPORT

| | |
|---|---|
| **Supply voltage** | |
| Rated value (DC) | |
| • 24 V DC | Yes |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| **Input current** | |
| Current consumption, max. | 240 mA; From L5+; logic |
| **Power loss** | |
| Power loss, typ. | 1.2 W |
| **Interfaces** | |
| Number of interfaces | 1 |
| Interface physics, RS 422/RS 485 (X.27) | Yes |
| Point-to-point | |
| • Cable length, max. | 1 000 m |
| Integrated protocol driver | |
| — ASCII | Yes; Available as library function |
| — USS | Yes; Available as library function |
| **Ambient conditions** | |
| Free fall | |
| • Drop height, max. (in packaging) | 0.3 m; five times, in dispatch package |
| Ambient temperature during operation | |
| • permissible temperature range | 0 °C to 55 °C horizontal installation, 0 °C to 45 °C vertical installation |


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| | |
|---|---|
| • permissible temperature change | 5°C to 55°C, 3°C / minute |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Air pressure acc. to IEC 60068-2-13 | |
| • Operation, min. | 795 hPa |
| • Operation, max. | 1 080 hPa |
| • Storage/transport, min. | 660 hPa |
| • Storage/transport, max. | 1 080 hPa |
| Relative humidity | |
| • permissible range (without condensation) at 25 °C | 95 % |

| Software | |
|---|---|
| Runtime software | |
| Target system | |
| — S7-1200 | Yes |

| Dimensions | |
|---|---|
| Width | 30 mm |
| Height | 100 mm |
| Depth | 75 mm |

| Weights | |
|---|---|
| Weight, approx. | 155 g |

**last modified:** 04.06.2015


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