



Data sheet

CP 341 (341-1CH01)

Technical data

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|--|--|
| Order no. | 341-1CH01 |
| Type | CP 341 |
| General information | |
| Note | - |
| Features | RS422/485, isolated Function compatibility to Siemens CP 341 Parameterization via the Siemens parameterization package Data transfer rate up to 76.8 kbit/s Power supply via backplane bus |
| SPEED-Bus | - |
| Current consumption/power loss | |
| Current consumption from backplane bus | 160 mA |
| Power loss | 0.8 W |
| Status information, alarms, diagnostics | |
| Status display | yes |
| Interrupts | no |
| Process alarm | no |
| Diagnostic interrupt | yes, parameterizable |
| Diagnostic functions | no |
| Diagnostics information read-out | possible |
| Supply voltage display | yes |
| Group error display | red SF LED |
| Channel error display | none |
| Functionality Sub-D interfaces | |
| Type | X2 |
| Type of interface | RS422/485 |
| Connector | Sub-D, 9-pin, female |
| Electrically isolated |  |
| MPI | - |
| MP2I (MPI/RS232) | - |
| Point-to-point interface |  |
| Type | - |
| Type of interface | - |
| Connector | - |
| Electrically isolated | - |
| MPI | - |
| MP2I (MPI/RS232) | - |
| Point-to-point interface | - |
| Point-to-point communication | |

| | |
|--------------------------|----------------------|
| PtP communication | ✓ |
| Interface isolated | ✓ |
| RS232 interface | - |
| RS422 interface | ✓ |
| RS485 interface | ✓ |
| Connector | Sub-D, 9-pin, female |
| Transmission speed, min. | 150 bit/s |
| Transmission speed, max. | 76.8 kbit/s |
| Cable length, max. | 1200 m |

Point-to-point protocol

| | |
|------------------------|---|
| ASCII protocol | ✓ |
| STX/ETX protocol | ✓ |
| 3964(R) protocol | ✓ |
| RK512 protocol | - |
| USS master protocol | - |
| Modbus master protocol | ✓ |
| Modbus slave protocol | ✓ |
| Special protocols | - |

Datasizes

| | |
|------------------|------------|
| Input bytes | 16 |
| Output bytes | 16 |
| Parameter bytes | (16 + 106) |
| Diagnostic bytes | 4 |

Housing

| | |
|----------|-----------------|
| Material | PPE |
| Mounting | Rail System 300 |

Mechanical data

| | |
|--------------------|-------------------------|
| Dimensions (WxHxD) | 40 mm x 125 mm x 120 mm |
| Weight | 170 g |

Environmental conditions

| | |
|-----------------------|-----------------|
| Operating temperature | 0 °C to 60 °C |
| Storage temperature | -25 °C to 70 °C |

Certifications

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|---------------------|-----|
| UL508 certification | yes |
|---------------------|-----|