

Data sheet

CP 240, RS422/485 (240-1CA21)

Technical data

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|--|----------------------|
| Order no. | 240-1CA21 |
| Type | CP 240, RS422/485 |
| General information | |
| Note | - |
| Features | RS422/485 interface |
| Current consumption/power loss | |
| Current consumption from backplane bus | 150 mA |
| Power loss | 0.75 W |
| Status information, alarms, diagnostics | |
| Status display | yes |
| Interrupts | no |
| Process alarm | no |
| Diagnostic interrupt | no |
| Diagnostic functions | no |
| Diagnostics information read-out | possible |
| Supply voltage display | yes |
| Group error display | red LED |
| Channel error display | none |
| Functionality Sub-D interfaces | |
| Type | - |
| Type of interface | RS422/485 |
| Connector | Sub-D, 9-pin, female |
| Electrically isolated | yes |
| MPI | - |
| MP2 (MPI/RS232) | - |
| Point-to-point interface | yes |
| 5V DC Power supply | max. 90mA, isolated |
| 24V DC Power supply | - |
| Point-to-point communication | |
| PtP communication | yes |
| Interface isolated | yes |
| RS232 interface | - |
| RS422 interface | yes |
| RS485 interface | yes |
| Connector | Sub-D, 9-pin, female |
| Transmission speed, min. | 150 bit/s |
| Transmission speed, max. | 115.2 kbit/s |
| Cable length, max. | 1200 m |
| Point-to-point protocol | |

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

Datasizes

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| Input bytes | 16 |
| Output bytes | 16 |
| Parameter bytes | 16 |
| Diagnostic bytes | 0 |

Housing

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|----------|--------------------|
| Material | PPE |
| Mounting | Profile rail 35 mm |

Mechanical data

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|------------------------------|-------------------------|
| Dimensions (WxHxD) | 25.4 mm x 76 mm x 78 mm |
| Net weight | 80 g |
| Weight including accessories | - |
| Gross weight | - |

Environmental conditions

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

Certifications

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| UL certification | yes |
| KC certification | - |