

Data sheet
 CP 040 RS422/485 (040-1CA00)

Technical data

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| Order no. | 040-1CA00 |
| Type | CP 040 RS422/485 |
| Module ID | 0E41 1700 |
| General information | |
| Note | - |
| Features | RS422/485 interface Protocols ASCII, STX/ETX, 3964(R) and Modbus RTU (master, slave) |
| Current consumption/power loss | |
| Current consumption from backplane bus | 125 mA |
| Current consumption from load voltage L+ (without load) | 10 mA |
| Power loss | 1 W |
| Status information, alarms, diagnostics | |
| Status display | yes |
| Interrupts | yes, parameterizable |
| Process alarm | no |
| Diagnostic interrupt | yes, parameterizable |
| Diagnostic functions | yes, parameterizable |
| Diagnostics information read-out | possible |
| Supply voltage display | green LED |
| Group error display | red LED |
| Channel error display | red LED |
| Point-to-point communication | |
| PtP communication | yes |
| Interface isolated | yes |
| RS232 interface | - |
| RS422 interface | yes |
| RS485 interface | yes |
| Connector | Terminal module |
| Transmission speed, min. | 150 bit/s |
| Transmission speed, max. | 115.2 kbit/s |
| Cable length, max. | 1200 m |
| Point-to-point protocol | |
| ASCII protocol | yes |
| STX/ETX protocol | yes |
| 3964(R) protocol | yes |
| RK512 protocol | - |
| USS master protocol | - |
| Modbus master protocol | yes |
| Modbus slave protocol | yes |
| Special protocols | - |
| Datasizes | |

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| Input bytes | 8 / 20 / 60 |
| Output bytes | 8 / 20 / 60 |
| Parameter bytes | 23 |
| Diagnostic bytes | 20 |

Housing

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|----------|--------------------|
| Material | PPE / PPE GF10 |
| Mounting | Profile rail 35 mm |

Mechanical data

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|------------------------------|----------------------------|
| Dimensions (WxHxD) | 12.9 mm x 109 mm x 76.5 mm |
| Net weight | 59 g |
| Weight including accessories | 59 g |
| Gross weight | 74 g |

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 | yes |