

Data sheet

FM 050 (050-1BS00)

Technical data

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| Order no. | 050-1BS00 |
| Type | FM 050 |
| Module ID | 09C1 7800 |

General information

| | |
|----------|---|
| Note | - |
| Features | SSI - Encoder Master or slave mode Encoder frequency 125 kHz...2 MHz ?s time stamp for encoder value |


Current consumption/power loss

| | |
|---|-------|
| Current consumption from backplane bus | 70 mA |
| Power loss | 1 W |
| Parallel switching of outputs for increased power | - |

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 |
| Module state | green LED |
| Module error display | red LED |
| Channel error display | none |

Isolation

| | |
|---|---|
| Between channels | - |
| Between channels of groups to | - |
| Between channels and backplane bus |  |
| Between channels and power supply | - |
| Max. potential difference between circuits | - |
| Max. potential difference between inputs (Ucm) | - |
| Max. potential difference between Mana and Mintern (Uiso) | - |
| Max. potential difference between inputs and Mana (Ucm) | - |
| Max. potential difference between inputs and Mintern (Uiso) | - |
| Max. potential difference between Mintern and outputs | - |
| Insulation tested with | DC 500 V |

Datasizes

| | |
|------------------|----|
| Input bytes | 6 |
| Output bytes | 0 |
| Parameter bytes | 17 |
| Diagnostic bytes | 20 |

Housing

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

Mechanical data

| | |
|--------------------|----------------------------|
| Dimensions (WxHxD) | 12.9 mm x 109 mm x 76.5 mm |
| Weight | 60 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 |
|---------------------|-----|