

Data sheet
IM 053DN (053-1DN00)
Technical data

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| Order no. | 053-1DN00 |
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|-----------|----------|
| Type | IM 053DN |
| Module ID | - |

General information

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| Note | - |
| Features | DeviceNet slave Group 2 only device Poll only device Baud rate: 125, 250 and 500kbit/s up to 64 peripheral modules |

Technical data power supply

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|---|-----------------------|
| Power supply (rated value) | DC 24 V |
| Power supply (permitted range) | DC 20.4...28.8 V |
| Reverse polarity protection | yes |
| Current consumption (no-load operation) | 90 mA |
| Current consumption (rated value) | 0.95 A |
| Inrush current | 3.9 A |
| I^2t | 0.14 A ² s |
| Max. current drain at backplane bus | 3 A |
| Max. current drain load supply | 10 A |
| Power loss | 3 W |

Status information, alarms, diagnostics

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|----------------------------------|------------|
| Status display | yes |
| Interrupts | - |
| Process alarm | - |
| Diagnostic interrupt | - |
| Diagnostic functions | - |
| Diagnostics information read-out | possible |
| Supply voltage display | green LED |
| Service Indicator | - |
| Group error display | red SF LED |
| Channel error display | none |

Hardware configuration

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| Racks, max. | 1 |
| Modules per rack, max. | 64 |
| Number of digital modules, max. | 64 |
| Number of analog modules, max. | 64 |

Communication

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|-------------------|----------------------------|
| Fieldbus | DeviceNet |
| Type of interface | CAN |
| Connector | 5-pin Open Style Connector |

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|------------------------------|--|
| Topology | Linear bus with bus termination at both ends |
| Electrically isolated | yes |
| Number of participants, max. | 64 |
| Node addresses | 0 - 63 |
| Transmission speed, min. | 125 kbit/s |
| Transmission speed, max. | 500 kbit/s |
| Address range inputs, max. | 256 Byte |
| Address range outputs, max. | 256 Byte |
| Number of TxPDOs, max. | - |
| Number of RxPDOs, max. | - |

Housing

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

Mechanical data

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|------------------------------|----------------------------|
| Dimensions (WxHxD) | 48.5 mm x 109 mm x 76.5 mm |
| Net weight | 152.5 g |
| Weight including accessories | 160 g |
| Gross weight | 177.5 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 |