

Data sheet

IM 253DN, DeviceNET slave (253-1DN00)

Technical data

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| Order no. | 253-1DN00 |
| Type | IM 253DN, DeviceNET slave |
| General information | |
| Note | - |
| Features | Group 2 only Device - employs predefined connection set Baud rates: 125, 250, 500 kBit/s For max. 32 peripheral modules (8 analog) |
| Technical data power supply | |
| 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) | 50 mA |
| Current consumption (rated value) | 800 mA |
| Inrush current | 65 A |
| $I_{\Delta t}$ | 0.85 A ² s |
| Max. current drain at backplane bus | 3.5 A |
| Max. current drain load supply | - |
| Power loss | 2 W |
| Status information, alarms, diagnostics | |
| Status display | yes |
| Interrupts | no |
| Process alarm | no |
| Diagnostic interrupt | no |
| Diagnostic functions | yes |
| Diagnostics information read-out | none |
| Supply voltage display | yes |
| Service Indicator | - |
| Group error display | yes |
| Channel error display | none |
| Hardware configuration | |
| Racks, max. | 1 |
| Modules per rack, max. | 32 |
| Number of digital modules, max. | 32 |
| Number of analog modules, max. | 8 |
| Communication | |
| Fieldbus | DeviceNet |
| Type of interface | CAN |
| Connector | 5-pin Open Style Connector |
| Topology | Linear bus with bus termination at both ends |
| Electrically isolated | yes |

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|------------------------------|------------|
| 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 / PA 6.6 |
| Mounting | Profile rail 35 mm |

Mechanical data

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|------------------------------|-------------------------|
| Dimensions (WxHxD) | 25.4 mm x 76 mm x 78 mm |
| Net weight | 90 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 | - |