

Data sheet
 IM 353DP (353-1DP01)

Technical data

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| Order no. | 353-1DP01 |
| Type | IM 353DP |

General information

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|-----------|---|
| Note | - |
| Features | DC 24 V 12 Mbit/s Up to 29 peripheral modules (16 analog) 244 Byte input- und 244 Byte outputdata Integrated DC 24 V power supply Configuration via GSD-file of VIPA |
| SPEED-Bus | - |

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) | 70 mA |
| Current consumption (rated value) | 1 A |
| Inrush current | 60 A |
| I^2t | 0.45 A ² s |
| Max. current drain at backplane bus | 3.5 A |
| Max. current drain load supply | - |
| Power loss | 2.5 W |

Status information, alarms, diagnostics

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

Hardware configuration

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| Racks, max. | 1 |
| Modules per rack, max. | 29 |
| Number of digital modules, max. | 29 |
| Number of analog modules, max. | 16 |

Communication

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|-------------------|--|
| Fieldbus | PROFIBUS-DP to EN 50170 |
| Type of interface | RS485 |
| Connector | Sub-D, 9-pin, female |
| Topology | Linear bus with bus termination at both ends |

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|------------------------------|------------|
| Electrically isolated | yes |
| Number of participants, max. | 125 |
| Node addresses | 1 - 99 |
| Transmission speed, min. | 9.6 kbit/s |
| Transmission speed, max. | 12 Mbit/s |
| Address range inputs, max. | 244 Byte |
| Address range outputs, max. | 244 Byte |
| Number of TxPDOs, max. | - |
| Number of RxPDOs, max. | - |

Housing

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|----------|-----------------|
| Material | PPE |
| Mounting | Rail System 300 |

Mechanical data

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|------------------------------|-------------------------|
| Dimensions (WxHxD) | 40 mm x 125 mm x 120 mm |
| Net weight | 170 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 | yes |