

Data sheet

IM 053IP - EtherNet/IP adapter (053-1IP01)

Technical data

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| Order no. | 053-1IP01 |
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| Type | IM 053IP - EtherNet/IP adapter |
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| Module ID | - |
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General information

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| Note | - |
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| Features | 2-Port Switch RJ45 100BaseTX full duplex Up to 64 peripheral modules Supports FMM (Free Module Mapping) Various diagnostics functions Integrated DC 24V power supply for power and electronic section supply of the periphery modules Supports HotConnect, Easy Maintenance Web server integrated Status LEDs |
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Technical data power supply

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| Power supply (rated value) | DC 24 V |
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| Power supply (permitted range) | DC 20.4...28.8 V |
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| Reverse polarity protection | yes |
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| Current consumption (no-load operation) | 95 mA |
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| Current consumption (rated value) | 0.95 A |
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| Inrush current | 3.9 A |
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| I^2t | 0.14 A ² s |
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| Max. current drain at backplane bus | 3 A |
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| Max. current drain load supply | 10 A |
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| Power loss | 3 W |
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Status information, alarms, diagnostics

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

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

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| Fieldbus | EtherNet/IP |
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| Type of interface | Ethernet 100 MBit |
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| Connector | 2 x RJ45 |
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| Topology | Line, Star |
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| Electrically isolated | yes |
| Number of participants, max. | - |
| Node addresses | IP V4 address |
| Transmission speed, min. | 100 Mbit/s |
| Transmission speed, max. | 100 Mbit/s |
| Address range inputs, max. | 1 KB |
| Address range outputs, max. | 1 KB |
| Number of TxPDOs, max. | - |
| Number of RxPDOs, max. | - |
| Supported profile | - |
| Supported transfer cycle | - |
| Cyclic data size per node | - |
| Max. Number of nodes | - |
| Supported communication method | - |
| Supported command "Cyclic" | - |
| Supported command "Event driven" | - |
| Supported command "Message" | - |

Datasizes

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| Input bytes | - |
| Output bytes | - |
| Parameter bytes | - |
| Diagnostic bytes | - |

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 | 160 g |
| Weight including accessories | 160 g |
| Gross weight | 175 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 |
| UKCA certification | yes |
| ChinaRoHS certification | yes |