

SIMATIC ET 200MP. PROFIBUS INTERFACE MODULE IM155-5
DP ST FOR MAX. 12 S7-1500 MODULES



| General information | |
|---|-------------------|
| Product type designation | IM 155-5 DP ST |
| HW functional status | FS01 |
| Firmware version | V2.0.0 |
| Vendor identification (VendorID) | 81AAh |
| Product function | |
| • I&M data | Yes; I&M0 to I&M3 |
| Engineering with | |
| • STEP 7 TIA Portal configurable/integrated as of version | V13 / V13 |
| • STEP 7 configurable/integrated as of version | V5.5 SP3 / - |
| • PROFIBUS as of GSD version/GSD revision | V1.0 / V5.1 |
| Configuration control | |
| via user data | No |
| via dataset | No |
| Supply voltage | |
| Type of supply voltage | DC |
| Rated value (DC) | 24 V |

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| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| Reverse polarity protection | Yes |
| Short-circuit protection | Yes |
| Mains buffering | |
| • Mains/voltage failure stored energy time | 5 ms |

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|-----------------------------------|------------------------------------|
| Input current | |
| Current consumption (rated value) | 0.2 A; at 24 V DC and without load |
| Current consumption, max. | 1.2 A; at 20.4 V DC and max. load |
| Inrush current, max. | 4 A |
| I^2t | 0.09 A ² ·s |
| from interface 5 V DC, max. | 80 mA |

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| Power | |
| Infeed power to the backplane bus | 14 W |

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| Power loss | |
| Power loss, typ. | 4 W |

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| Address area | |
| Address space per module | |
| • Address space per module, max. | 32 byte; per input / output |
| Address space per station | |
| • Address space per station, max. | 244 byte; per input / output |

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| Hardware configuration | |
| Integrated power supply | Yes |
| System power supply can be plugged in to left of IM | No |
| Number of permissible power segments | 1 |
| Rack | |
| • Modules per rack, max. | 12; I/O modules |

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| Interfaces | |
| Number of PROFIBUS interfaces | 1 |

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| 1. Interface | |
| Interface types | |
| • RS 485 | Yes |
| Functionality | |
| • PROFIBUS DP slave | Yes |

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| Interface types | |
| RS 485 | |
| • Transmission rate, max. | 12 Mbit/s |

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| Protocols | |
| PROFIBUS | |

| Services | |
|---|----------------------|
| — SYNC capability | Yes |
| — FREEZE capability | Yes |
| — DPV1 | Yes |
| Isochronous mode | |
| Isochronous operation (application synchronized up to terminal) | No |
| Interrupts/diagnostics/status information | |
| Status indicator | Yes |
| Alarms | Yes |
| Diagnostic functions | Yes |
| Diagnostics indication LED | |
| • RUN LED | Yes; Green LED |
| • ERROR LED | Yes; Red LED |
| • MAINT LED | Yes; yellow LED |
| • Connection display DP | Yes; Green LED |
| Potential separation | |
| between backplane bus and electronics | No |
| between PROFIBUS DP and all other circuit components | Yes |
| between supply and all other circuits | No |
| Isolation | |
| Isolation tested with | 707 V DC (type test) |
| Ambient conditions | |
| Ambient temperature during operation | |
| • horizontal installation, min. | 0 °C |
| • horizontal installation, max. | 60 °C |
| • vertical installation, min. | 0 °C |
| • vertical installation, max. | 40 °C |
| Connection method | |
| ET-Connection | |
| • via BU/BA Send | No |
| Dimensions | |
| Width | 35 mm |
| Height | 147 mm |
| Depth | 129 mm |
| Weights | |
| Weight, approx. | 360 g |
| last modified: | 12/22/2016 |