

SIMATIC DP, ET 200M INTERFACE IM 153-4 PN IO HIGH FEATURE FOR MAX. 12 S7-300 MODULES, SUPPORTS FAIL SAFE MODULES, HART MODULES SHARED DEVICE, MEDIUM REDUNDANCY PROTOCOL



| General information | |
|---|--|
| Vendor identification (VendorID) | 002AH |
| Device identifier (DeviceID) | 0302H |
| Supply voltage | |
| Rated value (DC) | 24 V |
| • 24 V DC | Yes |
| permissible range, lower limit (DC) | 20.4 V |
| permissible range, upper limit (DC) | 28.8 V |
| permissible range (ripple included), lower limit (DC) | 18.5 V |
| permissible range (ripple included), upper limit (DC) | 30.2 V |
| external protection for power supply lines (recommendation) | In a construction with grounded reference potential, a fuse is necessary for redundant interface modules (Recommendation: 2.5 A) |
| Mains buffering | |
| • Mains/voltage failure stored energy time | 5 ms |
| Input current | |
| Current consumption, max. | 600 mA; with 24 V DC supply |
| Inrush current, typ. | 4 A |

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|--|--|
| I ² t | 0.09 A ² ·s |
| Output voltage | |
| Rated value (DC) | 5 V |
| Output current | |
| for backplane bus (5 V DC), max. | 1.5 A |
| Power loss | |
| Power loss, typ. | 6 W |
| Address area | |
| Addressing volume | |
| • Inputs | 672 byte; Extended HART user data |
| • Outputs | 192 byte |
| Hardware configuration | |
| Number of modules per DP slave interface, max. | 12 |
| Protocols | |
| Bus protocol/transmission protocol | PROFINET IO |
| Interrupts/diagnostics/status information | |
| Diagnostics indication LED | |
| • Connection to network LINK (green) | Yes |
| • Transmit/receive RX/TX (yellow) | Yes |
| Isolation | |
| Isolation tested with | Between PROFINET and 24 V supply: 1 500 V AC, between functional grounding and 24 V supply: 500 V DC |
| Degree and class of protection | |
| Degree of protection acc. to EN 60529 | |
| • IP20 | Yes |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 60 °C |
| Air pressure acc. to IEC 60068-2-13 | |
| • Installation altitude above sea level, max. | 2 000 m |
| Dimensions | |
| Width | 40 mm |
| Height | 125 mm |
| Depth | 118 mm |
| Weights | |
| Weight, approx. | 215 g |

last modified:

12/22/2016