

SIMATIC S7-400, FM458-1 DP APPLICATION MODULE FOR SIMATIC S7-400



| Supply voltage | |
|--|------------|
| Rated value (DC) | |
| <ul style="list-style-type: none"> • 5 V DC | Yes |
| <ul style="list-style-type: none"> • 24 V DC | Yes |
| permissible range (ripple included), lower limit (DC) | 4.8 V |
| permissible range (ripple included), upper limit (DC) | 5.25 V |
| Input current | |
| Current consumption, typ. | 1.5 A |
| Current consumption, max. | 3 A |
| Memory | |
| Backup | |
| <ul style="list-style-type: none"> • present | Yes; SRAM |
| Battery | |
| Backup battery | |
| <ul style="list-style-type: none"> • Backup current, max. | 15 μ A |
| Hardware configuration | |
| Slots | |

| | |
|--|---|
| • required slots | 1 |
| Time of day | |
| Clock | |
| • Hardware clock (real-time) | Yes |
| • Resolution | 500 ms |
| Digital inputs | |
| Number of digital inputs | 8; Connector X2 |
| Input voltage | |
| • Rated value (DC) | 24 V |
| • for signal "0" | -1 to +6V |
| • for signal "1" | 13.5 to 33V |
| Input current | |
| • for signal "0", max. (permissible quiescent current) | 0 mA |
| • for signal "1", typ. | 3 mA; at 24 V |
| Input delay (for rated value of input voltage) | |
| for standard inputs | |
| — at "0" to "1", max. | 5 µs |
| Interfaces | |
| PROFIBUS DP | |
| • Equidistance | Yes; With connection to interrupt tasks |
| • Direct data exchange (slave-to-slave communication) | Yes |
| Interrupts/diagnostics/status information | |
| Alarms | Yes |
| Potential separation | |
| Potential separation digital inputs | |
| • Potential separation digital inputs | No; only via optional interface modules |
| Weights | |
| Weight, approx. | 1 000 g |
| last modified: | 07/24/2017 |