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Data sheet 6DD1607-0AA2

SIMATIC S7-400, FM458-1 DP application group for SIMATIC S7-400



Supply voltage	
Rated value (DC)	
• 5 V DC	Yes
• 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	
• present	Yes; SRAM
Battery	
Backup battery	
• Backup current, max.	15 µA
Hardware configuration	
Slots	

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• 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
Protocols	
PROFIBUS DP	
Services	
— 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
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