



SIMATIC S7-400, FM458-1 DP APPLICATION MODULE 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	
• Battery operation	Yes
• Backup current, max.	15 μ A
Hardware configuration	
Slots	
• Required slots	1
Time of day	
Clock	
• Hardware clock (real-time clock)	Yes
• Resolution	500 ms

Digital inputs	
Number of digital inputs	8; Connector X2
Input voltage	
<ul style="list-style-type: none"> • Rated value (DC) • for signal "1" 	24 V 13.5 to 33V
Input current	
<ul style="list-style-type: none"> • for signal "0", max. (permissible quiescent current) • for signal "1", typ. 	0 mA 3 mA; at 24 V
Input delay (for rated value of input voltage)	
for standard inputs	
— at "0" to "1", max.	5 μ s
Interfaces	
PROFIBUS DP	
<ul style="list-style-type: none"> • equidistance • Direct data exchange (slave-to-slave communication) 	Yes; With connection to interrupt tasks Yes
Interrupts/diagnostics/status information	
Alarms	
<ul style="list-style-type: none"> • Alarms 	Yes
Galvanic isolation	
Galvanic isolation digital inputs	
<ul style="list-style-type: none"> • Galvanic isolation digital inputs 	No; only via optional interface modules
Weights	
Weight, approx.	1 000 g
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