

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

Supply voltage	
Rated value (DC)	
• 5 V DC	Yes
Input current	
Current consumption, max.	2.3 A
Memory	
Backup	
• present	Yes; Backup battery of the SIMATIC power supply (3.4 V)
Battery	
Backup battery	
• Backup current, max.	10 μ A
Hardware configuration	
Slots	
• required slots	1
Time of day	
Clock	
• Hardware clock (real-time)	Yes
• Resolution	0.1 ms
Digital inputs	
Number of digital inputs	8; Connector X2
Input voltage	
• Rated value (DC)	24 V
• for signal "0"	-1 to +6 V or input open
• for signal "1"	+13 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.	20 μ s
Interfaces	
PROFIBUS DP	

- Equidistance
- Direct data exchange (slave-to-slave communication)

Yes; With connection to interrupt tasks

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.

0.8 kg

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