SIEMENS

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
Storage	
Backup	
● present	Yes; SRAM
Battery	
Backup battery	
● Backup current, max.	15 µA
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

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Potential separation	
Potential separation digital inputs	
● Potential separation digital inputs	No; only via optional interface modules
Weights	
Weight, approx.	1 000 g

Classifications

	Version	Classification
eClass	16	27-24-22-05
eClass	14	27-24-22-05
eClass	12	27-24-22-05
eClass	9.1	27-24-22-05
eClass	9	27-24-22-05
eClass	8	27-24-22-05
eClass	7.1	27-24-22-05
eClass	6	27-24-22-05
ETIM	10	EC001422
ETIM	9	EC001422
ETIM	8	EC001422
ETIM	7	EC001422
IDEA	4	3567
UNSPSC	15	32-15-17-05

Approvals / Certificates

General Product Approval

Miscellaneous

General Product Approval	EMV	For use in hazardous locations		
China RoHS				Miscellaneous

For use in hazardous locations		Maritime application	
	CCC-Ex		

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