SIEMENS

Data sheet

6ES7141-5BF00-0BA0



SIMATIC ET 200AL, DI 8x 24 V DC, 8XM8, Degree of protection IP67

General information	
Product type designation	DI 8x24VDC
HW functional status	FS03
Firmware version	V1.0.x
Product function	
I&M data	Yes; I&M0 to I&M3
Engineering with	
 STEP 7 TIA Portal configurable/integrated from version 	STEP 7 V13 SP1 or higher
 STEP 7 configurable/integrated from version 	From V5.5 SP4 Hotfix 3
 PROFIBUS from GSD version/GSD revision 	GSD as of Revision 5
 PROFINET from GSD version/GSD revision 	GSDML V2.3.1
Supply voltage	
Load voltage 1L+	
 Rated value (DC) 	24 V
 permissible range, lower limit (DC) 	20.4 V
 permissible range, upper limit (DC) 	28.8 V
Reverse polarity protection	Yes; Against destruction; encoder power supply outputs applied with reversed polarity
Input current	
Current consumption (rated value)	25 mA; without load
from load voltage 1L+ (unswitched voltage)	4 A; Maximum value
from load voltage 2L+, max.	4 A; Maximum value
Encoder supply	
Number of outputs	8
24 V encoder supply	
Short-circuit protection	Yes; per module, electronic
 Output current, max. 	0.7 A; Total current of all encoders
Power loss	
Power loss, typ.	1.9 W
Digital inputs	
Number of digital inputs	8
Input characteristic curve in accordance with IEC 61131, type 3	Yes
Number of simultaneously controllable inputs	
all mounting positions	
— up to 55 °C, max.	8
Input voltage	

• Praised value (DC) • Por signal "1" • For signal "1" • For signal "1" • For signal "1"; vp. • For signal "1	a Patad value (DC)	24 V
of raignal "1"	Rated value (DC) for a invalue (UC)	
Input delay (for rated value of input voltage) for standard inputs - at "0" to "1", min at "1" to "0", min at "1" to "0", max. 4.8 ms - at "1" to "0", max. 4.8 ms - Cable length • unshielded, max. Convectable encoders	_	
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- at "1" to "0", max. Cable length • unshieled, max. 30 m Encoder Connectable encoders Connectable encoders • 2-wire sensor		4.8 ms
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	Weights	

Weight, approx.	145 g

last modified: 12/19/2020 ☑