Data sheet



SIMATIC ET 200SP, Digital input module, DI 8x 24V DC SRC BA, type 1 (IEC 61131), source Input (NPN, M-reading) Packing unit: 1 piece, fits to BU-type A0, Colour Code CC02, input delay time 0,05..20ms, module diagnostics for: supply voltage

General information	
Product type designation	DI 8x24 VDC SRC BA
Firmware version	V0.0
 FW update possible 	No
usable BaseUnits	BU type A0
Color code for module-specific color identification plate	CC02
Product function	
● I&M data	Yes; I&M0 to I&M3
Engineering with	
 STEP 7 TIA Portal configurable/integrated as of version 	V14
 STEP 7 configurable/integrated as of version 	V5.5 SP3 / -
 PROFIBUS as of GSD version/GSD revision 	One GSD file each, Revision 3 and 5 and higher
 PROFINET as of GSD version/GSD revision 	GSDML V2.3
Operating mode	
• DI	Yes
Counter	No
 Oversampling 	No

• MSI	No
Supply voltage	041/
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Reverse polarity protection	Yes
Encoder supply	
Short-circuit protection	No
Power loss	
Power loss, typ.	1.5 W
Address	
Address area Address space per module	
• Inputs	1 byte
- Inputs	1 byte
Hardware configuration	
Automatic encoding	Yes
Selection of BaseUnit for connection variants	
• 1-wire connection	BU type A0
• 2-wire connection	BU type A0
• 3-wire connection	BU type A0 with AUX terminals
• 4-wire connection	BU type A0 + Potential isolation module
Digital inputs	
Number of digital inputs	8
Digital inputs, parameterizable	Yes
Source/sink input	m-reading
Input characteristic curve in accordance with IEC	Yes
61131, type 1	
Input voltage	
Type of input voltage	DC
Rated value (DC)	24 V
● for signal "0"	30 V to -5 V (reference potential is L+)
• for signal "1"	-11 V to -30 V (reference potential is L+)
Input current	
● for signal "1", typ.	6 mA
Input delay (for rated value of input voltage)	
for standard inputs	
— parameterizable	Yes; $0.05 / 0.1 / 0.4 / 0.8 / 1.6 / 3.2 / 12.8 / 20$ ms (in each case + delay of 30 to 500 μ s, depending on line length)
— at "0" to "1", min.	0.05 ms
— at "0" to "1", max.	20 ms
— at "1" to "0", min.	0.05 ms

Cable length Shielded, max. Sinchic production of the supply voltage Diagnostic information readable Monitoring of encoder power supply Monitoring of the supply voltage Monitoring of the supply voltage (PWR-LED) Channel status display Channel status display For channel diagnostics No Diagnostics indiction LED Monitoring of the supply voltage (PWR-LED) Channel status display For channel diagnostics No Diagnostics indiction LED Monitoring of the supply voltage (PWR-LED) Channel status display For channel diagnostics No Diagnostics indication LED Monitoring of the supply voltage (PWR-LED) Channel status display For channel diagnostics No Diagnostics indication LED No Diagnostics indication LED No Diagnostics indication LED No Diagnostics indication LED No On request: Ambient temperatures lower than 0 °C (without	— at "1" to "0", max.	20 ms
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Dimensions	
Width	15 mm
Height	73 mm
Depth	58 mm
Weights	
Weight, approx.	28 g
last modified:	09/08/2018