SIEMENS

Data sheet

6ES7521-1BP00-0AA0



SIMATIC S7-1500, digital input module, DI 64xDC 24V SNK/SRC BA, 64 channels in groups of 16, input delay typ. 3.2 ms, input type 3 (IEC 61131); sinking/sourcing input. 35 mm wide, cables and terminal blocks to be ordered separately as accessories

General information		
Product type designation	DI 64x24VDC BA	
HW functional status	From FS01	
Firmware version	V1.0.0	
FW update possible	Yes	
Product function		
• I&M data	Yes; I&M0 to I&M3	
Isochronous mode	No	
Prioritized startup	No	
Engineering with		
 STEP 7 TIA Portal configurable/integrated from version 	V16 with HSP 0319 / V17	
 STEP 7 configurable/integrated from version 	V5.5 SP3 / -	
 PROFIBUS from GSD version/GSD revision 	V1.0 / V5.1	
 PROFINET from GSD version/GSD revision 	V2.35 / -	
Operating mode		
• DI	Yes	
Counter	No	
Oversampling	No	
• MSI	Yes	
Supply voltage		
permissible range, lower limit (DC)	19.2 V	
permissible range, upper limit (DC)	28.8 V	
external protection for power supply lines (recommendation)	24 V DC/4 A miniature circuit breaker with type B or C tripping characteristic	
Power		
Power available from the backplane bus	0.6 W	
Power loss		
Power loss, typ.	4.8 W	
Digital inputs		
Number of digital inputs	64	
Digital inputs, parameterizable	No	
Source/sink input	Yes	
Input characteristic curve in accordance with IEC 61131, type 3	Yes	
Number of simultaneously controllable inputs		
 Number of simultaneously controllable inputs 	64; see additional description in the manual	
Input voltage		
Rated value (DC)	24 V	
• for signal "0"	-5 +5 V (reference potential is COM)	
● for signal "1"	-1130 V; +11 +30 V (reference potential is COM)	
Input current		
 for signal "1", typ. 	2.7 mA	

Implementation (and a final value) (and and a final value) 	Input delay (for rated value of input voltage)	
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	Other	

Note:

Please order cable and connection modules separately

last modified:

4/29/2021 🖸