SIEMENS

Data sheet

6ES7316-1AG00-0AB0

SIMATIC S7-300, CPU 316 CPU WITH INTEGRATED 24 V DC POWER SUPPLY, 128 KBYTE WORKING MEMORY

	TOWER SOLI ET, 120 REFTE WORKING MILMORT
Supply voltage	
Rated value (DC)	24 V
Memory	
Work memory	
• integrated	128 kbyte; 42 K instructions
Load memory	
• integrated RAM, max.	192 kbyte
• expandable RAM, max.	512 kbyte
Backup	
• present	Yes
with battery	Yes; 128 KB: 2 years
• without battery	Yes; 4 KB: 10 years
CPU processing times	
for bit operations, typ.	0.3 ms
for word operations, typ.	1 ms
CPU-blocks	
DB	
• Number, max.	127
FB	
• Number, max.	128
FC	
• Number, max.	128
ОВ	
Description	cyclic/time-driven: 1, 10, 20, 35; alarm-driven/fault: 40, 80 to 82, 85, 87, 121 to 122
Address area	
Digital channels	
• Inputs	1 024
Analog channels	
• Inputs	128
Hardware configuration	
Rack	
• Racks, max.	4; 10 m each

Clock Yes; Resolution: 1 s • Hardware clock (real-time) Protocols Yes • MPI Communication functions Global data communication Yes supported • Number of GD loops, max. 4 S7 basic communication Yes supported 76 byte • User data per job, max. Number of connections overall 8 - of which dynamic 4 - of which static Configuration Configuration software Yes • STEP 7 Programming Programming language — LAD Yes Yes — FBD - STL Yes -SCLYes; limited — CFC Yes; limited — GRAPH Yes; limited Yes; limited - HiGraph® Software libraries Yes; via loadable FB - Software controller

09/27/2019

last modified: