AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-1ST20-0AA1

CPU ST20 Transistor Controller

DEVICE	ONBOARD I/O	PROGRAM	SUPPLY
CPU ST20	**12 DI / 8 DO**	**12 KB**	**20.4-28.8 V DC**

Siemens 6ES7288-1ST20-0AA1 brings twelve digital inputs and eight sourcing transistor outputs to the CPU ST20 configuration. This DC-powered S7-200 SMART controller provides 12 KB of program memory and two designated high-speed pulse-output channels, while retaining the expansion facilities of a standard CPU.

01 VERIFIED TECHNICAL INFORMATION

CPU supply range	20.4 to 28.8 V DC
Onboard digital inputs	12, nominal 24 V DC
Onboard digital outputs	8
Output technology	Sourcing MOSFET transistor
Program memory	12 KB
Ethernet interface	1, 10/100 Mbit/s
Serial interface	1 x RS485

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Expansion modules	6 maximum
Signal-board expansion	1 maximum
Sensor-power output	24 V DC, 300 mA maximum
Output current per point	0.5 A maximum; observe common-group and load-type limits
Expansion-bus supply	5 V DC, 1400 mA maximum
Pulse outputs	2 designated channels, up to 100 kHz

03 SOURCE AND CONFIGURATION CHECKS

Within its 90 mm-wide housing, the standard CPU provides Ethernet, RS485 and connections for modular expansion. The 5 V expansion bus and 24 V sensor supply have separate current limits, supporting a configured station whose power requirements are assessed independently from transistor output loading.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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