AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-1ST40-0AA1

CPU ST40 Transistor Controller

DEVICE	ONBOARD I/O	PROGRAM	SUPPLY
CPU ST40	**24 DI / 16 DO**	**24 KB**	**20.4-28.8 V DC**

Siemens 6ES7288-1ST40-0AA1 CPU ST40 provides twenty-four digital inputs and sixteen sourcing transistor outputs for DC-powered control. Its 24 KB program area is separate from variable memory; Siemens documents the latter by software generation, so memory comparisons require the applicable firmware context.

01 VERIFIED TECHNICAL INFORMATION

CPU supply range	20.4 to 28.8 V DC
Onboard digital inputs	24, nominal 24 V DC
Onboard digital outputs	16
Output technology	Sourcing MOSFET transistor
Program memory	24 KB
Ethernet interface	1, 10/100 Mbit/s
Serial interface	1 x RS485

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section and manufacturer data sheet.

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	3 designated channels, up to 100 kHz

03 SOURCE AND CONFIGURATION CHECKS

The standard ST40 architecture offers Ethernet, RS485 and modular expansion within a 125 mm-wide housing. Its 5 V expansion-bus resource is separate from the 24 V sensor supply; the documented capacities of six expansion modules and one signal board remain subject to the station power budget.

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

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