AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7151-1CA00-1BL0

IM151-1 COMPACT 32-Input Electronic Block

INTEGRAL CHANNELS	INPUT VOLTAGE	INPUT DELAY	EXPANSION
32 digital inputs; 0 outputs	**24 V DC nominal**	**3 ms typical**	**Up to 12 non-fail-safe modules**

The Siemens 6ES7151-1CA00-1BL0 is the electronic block for an IM151-1 COMPACT station with thirty-two 24 V DC digital inputs. It combines PROFIBUS DP communication and integral input channels, and supports expansion with up to twelve additional ET 200S modules.

01 VERIFIED TECHNICAL INFORMATION

Integral digital inputs	32
Integral digital outputs	0
Nominal input voltage	24 V DC
Input transition delay	Typically 3 ms; 1.2-4.8 ms for both transitions
Additional expansion modules	Maximum 12; fail-safe modules excluded
PROFIBUS operating mode	DPV0 slave
Network physical layer	RS485

Manufacturer evidence: Data sheet 6ES7151-1CA00-1BL0; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Maximum data rate	12 Mbit/s
Interface address allowance	100 bytes inputs and 100 bytes outputs
Integral input address size	4 bytes
Electronics supply protection	Reverse-polarity protection; no power-failure buffering
Maximum electronics supply current	100 mA
Typical power dissipation	3 W
Degree of protection	IP20

03 SOURCE AND CONFIGURATION CHECKS

The electronic block requires a compatible TM-C terminal module and the terminating module to form a complete slave. Siemens excludes fail-safe expansion modules and defines a five-ampere supply limit for the final voltage group feeding additional modules, so expansion must be checked against both restrictions.

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 manufacturer reference (scope stated in source)

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM