SIMATIC ET 200M

Product Data Sheet

6ES7153-2BA00-0XB0

IM 153-2 interface module

MAXIMUM S7-300 MODULES	RATED SUPPLY	MAXIMUM INPUT CURRENT	TYPICAL INRUSH CURRENT
8	**24 V DC**	**550 mA at 24 V DC**	**2.5 A**

Siemens 6ES7153-2BA00-0XB0 is the IM 153-2 High Feature interface for an ET 200M distributed I/O station. It connects up to eight S7-300 modules to PROFIBUS DP and supports the documented redundancy, time-stamping and isochronous functions.

01 VERIFIED TECHNICAL DATA

Maximum S7-300 modules	8
Rated supply	24 V DC
Maximum input current	550 mA at 24 V DC
Typical inrush current	2.5 A
Backplane output	5 V DC, 1 A maximum
Typical power loss	5 W
Input address volume	128 bytes
Output address volume	128 bytes
Timestamp resolution	1 ms
Timestamp accuracy	10 ms / 3 ms

02 ADDITIONAL PRODUCT DATA

Message buffers	15
Messages per buffer	20
Maximum timestamped inputs	128
PROFIBUS rate	12 Mbit/s maximum
Node address range	1-125

03 PRODUCT FUNCTION

The interface provides 128 input bytes and 128 output bytes, with a maximum PROFIBUS rate of 12 Mbit/s. Its timestamp mechanism has 1 ms resolution and a separately specified 10 ms/3 ms accuracy; up to 128 digital inputs can generate messages stored in 15 buffers of 20 messages each.

04 SYSTEM COMPATIBILITY

Assign a PROFIBUS node address from 1 to 125 and use the applicable hardware catalog or GSD definition. The exact sheet lists SIEM801E.GSD for DPV1 and the BA0x-family GSG reference, while network speed is detected automatically up to 12 Mbit/s.

05 MANUFACTURER SOURCE

Siemens official documentation: 6ES7153-2BA00-0XB0.pdf. Selected source pages: 1, 2.

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