

SIMATIC S7-1500 TM COUNT 2X24V

Product Data Sheet

6ES7550-1AA00-0AB0

Dual Channel Counter Module

COUNTER CHANNEL COUNT	RATED ENCODER VOLTAGE	MAXIMUM ENCODER INPUT FREQUENCY	QUADRATURE COUNTING FREQUENCY
2	24 V DC	200 kHz	800 kHz maximum

Siemens 6ES7550-1AA00-0AB0 is a dual channel counter module in the SIMATIC S7-1500 TM Count 2x24V range. It is used for high-speed counting and incremental position acquisition in compatible industrial automation projects.

01 VERIFIED TECHNICAL DATA

Counter channel count	2
Rated encoder voltage	24 V DC
Maximum encoder input frequency	200 kHz
Quadrature counting frequency	800 kHz maximum
Load supply range	19.2 to 28.8 V DC
Maximum electronics current	75 mA, without load
Total encoder-supply current	1 A maximum
Backplane power draw	1.3 W
Typical power loss	4 W
Auxiliary digital inputs	6, three per channel

ADDITIONAL PRODUCT DATA

Digital outputs	4, two per channel
Digital output rating	0.5 A per channel
Input address area	16 byte per counter channel
Output address area	12 byte per channel, 4 byte for Motion Control
Frequency measurement range	0.04 Hz to 800 kHz

DOCUMENTED USE SETTINGS

Packaging Production and Material Converting: Industrial Packaging Process Automation.

Vehicle Manufacturing and Auto Parts Production: Automotive Manufacturing Process Control.

Industrial Assembly and Component Production: Manufacturing Production Process Control.

SYSTEM COMPATIBILITY

Integrate 6ES7550-1AA00-0AB0 only in the documented SIMATIC S7-1500 TM Count 2x24V configuration. Match the installed interfaces and the engineered application before selecting this dual channel counter module.

PRODUCT EVIDENCE

Siemens 6ES7550-1AA00-0AB0 product technical data; pages 1, 2, 3, 4

AMIKON PRODUCT SUPPORT

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