

PRODUCT DASHBOARD

6SE7090-0XX84-3DB1

SIMOVERT MASTERDRIVES Digital Tacho Interface Board

Siemens 6SE7090-0XX84-3DB1 is a SIMOVERT MASTERDRIVES DTI digital tachometer interface board. It accepts isolated TTL or HTL encoder signals and passes conditioned tachometer tracks to the connected drive control or synchronization board.

BRAND

Siemens

ORIGIN

Germany

HS CODE

8537101190

SHIPS FROM

Xiamen, Fujian, China

Complete public-page information view

Technical data dashboard

SIMOVERT MASTERDRIVES Digital Tacho Interface Board

BOARD TYPE DTI digital tachometer interface	TTL INPUT 5 V	HTL INPUT 11 to 30 V
INPUT ISOLATION Electrically isolated	EXTERNAL SUPPLY 24 Vdc -16%/+25%	HTL SUPPLY CURRENT 300 mA
TTL SUPPLY CURRENT 150 mA	DIGITAL LIMIT FREQUENCY 400 kHz	TTL TERMINAL X401
HTL TERMINAL X402	DRIVE/TSY OUTPUT X403	TTL OUTPUT X405

Application and support view

Four engineering use cases plus customer-oriented verification questions.

SIMOVERT vector-control feedback

Conditions digital tachometer tracks for CU2, CUVC or CUVF speed-control applications.

SIMOVERT FC synchronization

Routes the DTI output through a TSY tachometer and synchronization board to the drive control.

TTL encoder integration

Receives complementary five-volt pulse tracks through the X401 terminal strip.

HTL encoder integration

Receives higher-level tachometer pulse tracks through X402 with the required external supply.

FAQ SNAPSHOT

1

What is the exact system role of 6SE7090-0XX84-3DB1?

2

Which host, rack or carrier is required for 6SE7090-0XX84-3DB1?

3

What wiring or connector checks apply to 6SE7090-0XX84-3DB1?

4

How is 6SE7090-0XX84-3DB1 configured for service?

Related-series navigator

Eight unique and verified Apter Power destinations for this dashboard.

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39MBXNAN 16180-1-17 Apter Power product page

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6ES7215-1BG40-0XB0 Apter Power product page

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6DD1683-0CH0 Apter Power product page

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6DD1681-0AH2 Apter Power product page

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6ES7414-2XG02-0AB0 Apter Power product page

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6ES7517-3HP00-0AB0 Apter Power product page

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6DR5013-0FN00-0AA3 Apter Power product page

Related pages are navigation aids and are not used as manufacturer parameter sources.

Traceability and commissioning closeout

Confirm 6SE7090-0XX84-3DB1 identity, MASTERDRIVES family and control board, rail and enclosure, TTL/HTL encoder type, X401/X402 selection, X403/X405 routing, 24 Vdc supply, X80/X81 screen grounding, cable length, drive parameters and controlled rotation test before commissioning.

OFFICIAL MANUFACTURER SOURCE

SIMOVERT MASTERDRIVES DTI - Digital Tacho-Interface Operating Instructions

6SE7087-6CX84-3DB0, Edition 11.2006

ENGINEERING RELEASE NOTE

Snap 6SE7090-0XX84-3DB1 onto the mounting rail inside a protective cabinet, use screened cables and bond the screens at X80 and X81. Select only one input connector, X401 for TTL or X402 for HTL, then verify X403/X405 routing and the drive encoder parameters before rotation.

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