

SIMOVERT MASTERDRIVES DTI

Product Data Sheet

6SE7090-0XX84-3DB0

Digital tachometer interface board

INTERNAL SUPPLY	EXTERNAL SUPPLY	EXTERNAL SUPPLY CURRENT	MAXIMUM ENCODER SUPPLY LOADING
15 V DC / 160 mA	24 V DC -16% / +25%	HTL: 300 mA; TTL: 150 mA	HTL: 300 mA; TTL: 400 mA

Siemens 6SE7090-0XX84-3DB0 is a DTI digital tachometer interface board for compatible SIMOVERT MASTERDRIVES configurations. It connects the documented incremental-encoder signals to the drive control arrangement for speed-feedback processing.

01

VERIFIED TECHNICAL DATA

Internal supply	15 V DC / 160 mA
External supply	24 V DC -16% / +25%
External supply current	HTL: 300 mA; TTL: 150 mA
Maximum encoder supply loading	HTL: 300 mA; TTL: 400 mA
Encoder input current	HTL: 12 mA; TTL: 42 mA
Output driver current	HTL: 15 mA; TTL: 20 mA
Maximum digital signal frequency	400 kHz
Operating temperature	0 to +55 deg C
Storage temperature	-25 to +70 deg C
Environmental classes	3K3 / 3C2

ADDITIONAL PRODUCT DATA

Pollution degree	2
Overvoltage category	II
Ingress protection	IP00
Stationary vibration	0.35 mm, 10 to 60 Hz; 5g, 60 to 500 Hz
Transport vibration	3.5 mm, 5 to 9 Hz; 1g, 9 to 500 Hz

DOCUMENTED USE SETTINGS

Pulp Production and Paper Manufacturing: Pulp Preparation and Processing.

Metal Production and Steel Processing: Steel Rolling and Finishing.

Textile Production and Fabric Processing: Textile Fiber Manufacturing.

SYSTEM COMPATIBILITY

6SE7090-0XX84-3DB0 belongs to the SIMOVERT MASTERDRIVES DTI family and provides the documented digital tachometer interface board function. Its internal supply is 15 V DC / 160 mA; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMOVERT MASTERDRIVES DTI manufacturer documentation; applicable pages 28, 29, 30, 32, 33, 34, 35

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM