

IBS S7 400 DSC/I-T - Termination board



2719962

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Termination board for Siemens SIMATIC® S7 400 PLCs, with electrical isolation



Product description

INTERBUS controller boards for Siemens SIMATIC S7-400 PLCs

The IBS S7 400 DSC/I-T board connects the SIMATIC S7 400 PLC with INTERBUS.

After power-up the INTERBUS configuration is read in automatically and started with the specified parameters. The system-specific parameterization of the bus system and the controller board is undertaken using the easy-to-use IBS CMD software and then stored in a flash memory card.

The following range of functions is supported:

- Preprocessing of process data
- Synchronous operating modes
- Parameterization of alternative and changing bus segments
- Parameterization using CMD
- Startup using "Plug & Play" technology

For displaying the comprehensive INTERBUS system diagnostics, the controller board is equipped with a four-line LC display in which operating and error states are shown in plain text.

The INTERBUS system is controlled using a function register which triggers control functions (switching devices on and off or bypassing devices, clearing the diagnostics display) simply by setting outputs.

Simple operation and efficient diagnostics facilitate startup and increase the availability of the system.

The base of the housing can be concealed behind a cover once parameterization and startup of the controller board have been completed.

Your advantages

- Blocks for STEP 7 simplify integration
- INTERBUS with up to 8192 I/O points per controller board
- Maximum INTERBUS transmission speed of 2 Mbaud

Commercial data

Item number	2719962
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR14
Product key	DREAAA
GTIN	4017918140311
Weight per piece (including packing)	1,042.1 g
Weight per piece (excluding packing)	1,026 g
Customs tariff number	85389099
Country of origin	DE

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Product properties

Type	SIMATIC ® S7 400 controller board
Format	2 slots

System properties

Control system	SIMATIC® S7-400 controllers
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INTERBUS-Master

Amount of process data	max. 8192 bit
Number of devices with parameter channel	max. 126 (512 words)

Local diagnostics

Monitored function	Operating status, error status, I/O status
Optical representation	Via four-line LCD

Functionality

Control system	SIMATIC® S7-400 controllers
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System requirements

Configuration tool	CMD from Version 4.0x
	Config+ from version 1.00 onwards
Diagnostics tool	DIAG+ from version 1.0x
Application interface	S7 I/O driver
	S7 function blocks

Electrical properties

Local diagnostics	Operating status, error status, I/O status Via four-line LCD
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 4.5 W

Supply

Supply voltage	5 V DC
Power supply connection	Via SIMATIC I/O bus
Typical current consumption	0.9 A

Interfaces

Interrupts	Are supported
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Control system

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Connection method	SIMATIC® S7-400 P-Bus
Transmission speed	500 kbps / 2 Mbps (can be switched)

INTERBUS remote bus

Connection method	9-pos. D-SUB socket strip
Transmission speed	500 kbps / 2 Mbps500 kbps 2 Mbps (can be switched)

Parameterization/operation/diagnostics

Connection method	RS-232-C, D-SUB male connector
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Dimensions

External dimensions

Width / Height / Depth	50 mm / 290 mm / 210 mm (2 slots)
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Material specifications

Color	black
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 65 °C
Permissible humidity (operation)	30 % (up to 75 %, without condensation)
Permissible humidity (storage/transport)	30 % (up to 95 %, no condensation)
Air pressure (operation)	860 hPa ... 1080 kPa (up to 1500 m above sea level)
Air pressure (storage/transport)	660 hPa ... 1080 kPa (up to 3500 m above sea level)

Mounting

Mounting type	In the host system
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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