

# IBS S7 400 ETH DSC/I-T - Termination board



2731102

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Termination board, with electrical isolation



## Product description

INTERBUS controller board for Siemens SIMATIC S7-400 PLCs

The IBS S7 400 DSC/I-T INTERBUS controller board permits the INTERBUS to be connected to the SIMATIC S7 400.

The distinguishing features of the controller board are the ease of operation and the numerous processing functions, such as:

Data preprocessing, synchronous operating modes, extended parameterization via CMD, and PCP communication.

The diagnostics display shows operational and error states in plain text, thus reducing startup times to a minimum.

Configuration and programming are carried out in the Step 7 environment.

In addition, the IBS S7 400 ETH DSC/I-T controller board permits several controller boards to be connected, controlled and configured with IBS CMD via a higher level Ethernet network. For this purpose, you can choose between the AUI and the 10Base-T interface.

## Your advantages

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

## Commercial data

Item number	2731102
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DRE
Product key	DREAAA
Catalog page	Page 437 (C-8-2013)
GTIN	4017918185756
Weight per piece (including packing)	1,234.1 g
Weight per piece (excluding packing)	1,220 g
Customs tariff number	85371091
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
Set comprises	2740067 IBS S7 400 ETH SYSKIT 2740070 IBS S7 400 ETH SYSKIT E
Format	2 slots

### System properties

Control system	SIMATIC® S7-400 controllers
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#### INTERBUS-Master

Number of devices with parameter channel	max. 126 (512 words)
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#### 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

Engineering tool	STEP 7 from version 5.x
Configuration tool	CMD from version 4.5x 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 LINK, RECEIVE, TRANSMIT Ethernet Status display via LED
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 12.5 W

#### Supply

Supply voltage	5 V DC
Power supply connection	Via SIMATIC I/O bus
Typical current consumption	2.5 A

### Interfaces

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Interrupts	Are supported
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## Control system

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

## INTERBUS remote bus

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

## Parameterization/operation/diagnostics

Connection method	RS-232-C, D-SUB male connector
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## Ethernet

Connection method	10/100Base-T via RJ45
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## Dimensions

Width	50 mm
Height	290 mm
Depth	210 mm

## External dimensions

Width / Height / Depth	50 mm / 290 mm / 210 mm
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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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## Classifications

### ECLASS

ECLASS-11.0	27242208
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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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)