

IBS S7 300 BC-T - Termination board



2721947

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Controller board for Siemens SIMATIC® S7 300 PLCs



Product description

INTERBUS controller boards for Siemens SIMATIC S7-300 PLCs

Using the IBS S7 300 BC-T board, the SIMATIC S7 300 PLCs can be connected to INTERBUS.

With the IBS S7 300 BC-T controller board, the emphasis is on easy startup with "Plug & Play" and straightforward operation. The INTERBUS configuration is read in and started when the supply voltage is switched on.

INTERBUS can be configured easily using the IBS CMD software. These data can then be stored in the IBS MC memory card.

The sensor and actuator data are displayed and edited as with the Siemens input/output modules in STEP7.

System monitoring is performed by an automatic diagnostic function. In the case of an error, the diagnostic data is presented by LEDs on the front panel and in a diagnostic register (input word of the PLC).

The INTERBUS system is controlled via a function register. Diagnostic and control functions (by passing devices and switching them on and off, erasing the diagnostic display, acknowledging messages) can be called up by simply setting outputs.

Commercial data

Item number	2721947
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR14
Product key	DREAAA
GTIN	4017918132422
Weight per piece (including packing)	563.6 g
Weight per piece (excluding packing)	477.76 g
Customs tariff number	85389091
Country of origin	DE

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Technical data

Product properties

Type	SIMATIC® S7 300 controller board
Set comprises	2721934 IBS S7 300 B SYSKIT E 2721921 IBS S7 300 B SYSKIT
Format	1 slot

System properties

Control system	SIMATIC® S7-300 controllers
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Addressable areas

Occupied analog address area	16 bytes inputs and 16 bytes outputs
INTERBUS I/O data	240 Byte

INTERBUS-Master

Amount of process data	max. 1920 bit (INTERBUS-Master)
Number of devices with parameter channel	parameter data (PCP communication) are not supported.

Local diagnostics

Designation	RDY/RUN, PF, BSA, FAIL, STOP
Monitored function	INTERBUS
Optical representation	Status display via LED

Functionality

Control system	SIMATIC® S7-300 controllers
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System requirements

Configuration tool	CMD from Version 4.0x
Diagnostics tool	DIAG+ from version 1.0x
Application interface	S7 I/O driver

Electrical properties

Local diagnostics	RDY/RUN, PF, BSA, FAIL, STOP INTERBUS Status display via LED
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 10 W

Supply

Supply voltage	24 V DC
Power supply connection	Via SIMATIC I/O bus
Typical current consumption	415 mA

Interfaces

Control system

Connection method	SIMATIC® S7-300-I/O-Bus
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INTERBUS remote bus

Connection method	9-pos. D-SUB socket strip
Transmission speed	500 kbps / 2 Mbps

Parameterization/operation/diagnostics

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

Width	80 mm
Height	125 mm
Depth	110 mm

External dimensions

Width / Height / Depth	80 mm / 125 mm / 110 mm (1 slot)
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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 (0 °C ... 40 °C (vertical installation))
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 REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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