

IBS S5 DSC/I-T - Termination board



2752000

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Termination Boards for Siemens SIMATIC® S5 PLCs, with electrical isolation



Product description

INTERBUS controller boards for Siemens SIMATIC S5 controllers

SIMATIC S5-115U through to 155U PLCs can be connected to INTERBUS by means of the IBS S5 DSC/I-T controller board.

The controller board is connected to the controller via the SIMATIC I/O bus. It functions as a system I/O card with a variable address area so that the data of the INTERBUS input and output cards can be accessed directly using the periphery (L PW, T PW, ...) or indirectly using the process image (A I, S Q, ...).

The INTERBUS system is activated automatically at power on or through the application. For this option, a system-specific parameter assignment for the INTERBUS system and controller board is stored centrally in a pluggable parameterization memory on the controller board.

The user-friendly IBS CMD SWT INTERBUS software for the Windows operating system is available for creating the parameter data. In addition to parameterization, configuration and system documentation, IBS CMD SWT, as universal software, also makes possible the diagnostics of individual devices and the entire INTERBUS system. Furthermore, the local status of the connected INTERBUS devices can be displayed while the system is in operation.

The following range of functions supplements this high-performance controller board:

- Process data preprocessing (to IEC-1131)
- Synchronous operating modes
- Parameterization of alternative and changing bus segments
- Parameterization using CMD
- Startup using "Plug & Play" technology

The IBS S5 DSC controller board offers a user-oriented LC display for visualizing the extensive INTERBUS system diagnostic capabilities.

Operational and error states are shown on this display in plain text format. The direct display of messages helps reduce startup and downtimes, increasing the reliability of your systems.

Commercial data

Item number	2752000
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DRSAAA
GTIN	4017918120269
Weight per piece (including packing)	542 g
Weight per piece (excluding packing)	542 g
Customs tariff number	85389091
Country of origin	DE

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Technical data

Product properties

Product type	PLC controller board
Type	SIMATIC ® S5 115/135/155 controller board
Set comprises	2751373 IBS S5 DSC SYSKIT 2751386 IBS S5 DSC SYSKIT E
Format	2 narrow slots

System properties

Addressable areas

Occupied areas per board	adjustable
P-area	0 ... 255 (inputs and outputs)
Q area	0 ... 255 (inputs and outputs)

INTERBUS-Master

Amount of process data	max. 4096 bit (INTERBUS)
Number of devices with parameter channel	max. 62

Local diagnostics

Monitored function	Operating status
Optical representation	Via four-line LCD

System requirements

Configuration tool	CMD from Version 4.0x
Diagnostics tool	DIAG+ from version 1.0x

Electrical properties

Local diagnostics	Operating status Via four-line LCD
	Error status Via four-line LCD
	I/O status Via four-line LCD
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 7.5 W

Supply

Supply voltage	5 V DC
Supply voltage range	4.8 V DC ... 5.3 V DC (including ripple)
Power supply connection	Via SIMATIC I/O bus
Residual ripple	2.2 mV _{PP}
Typical current consumption	1.5 A

Interfaces

Interrupts	Are supported
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INTERBUS remote bus

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Connection method	9-pos. D-SUB female connector (optionally optical fiber possible via interface converters) with electrical isolation
Parameterization/operation/diagnostics	
Connection method	RS-232-C, D-SUB 9-pos. male connector
Host system	
Connection method	Siemens SIMATIC S5 115U (requires adapter capsule 6E5S 491-OLB11) - 155U, 130 WB, 150S

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
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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.)	No substance above 0.1 wt%
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