

IBS S5/SL-LB - Termination board



2806943

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Communication interface board for SIMATIC® S5 PLCs



Product description

INTERBUS function modules, PLC Relay modules

As INTERBUS devices, standard Siemens SIMATIC S5 PLCs can exchange information with a control system or another PLC through INTERBUS controller boards.

Control stations can be all PLCs or computers for which INTERBUS controller boards are available. Thus, INTERBUS, as a real time sensor/actuator bus, can simply and inexpensively connect PLCs and computers from different manufacturers using I/O signal addresses.

The exchange of signals using INTERBUS occurs in realtime, i.e., INTERBUS can also replace the large number of cable bundles still designed as parallel signal buses for the exchange of data over standard I/O modules with a protected bus protocol. The controller boards can be used in any of the PLC's I/O slots.

The advantages of this simple process communication handled on the I/O level:

- INTERBUS transmits data cyclically in realtime and with great data reliability,
- INTERBUS even connects PLCs in existing systems using a simple I/O network.

But data transmission using I/O channels in realtime means even more: The PLCs connected using INTERBUS can be provided with parameterization data from the master PLC as a function of process status, or can be easily synchronized.

In addition to data transfer, INTERBUS controller boards offer the same INTERBUS benefits, i.e. high transmission reliability on the data lines, excellent diagnostics and simple enabling or disabling of individual boards by means of appropriate interrupt processing.

In the event of an error, a board reset from the higher-level PLC (master) is possible at any time. The INTERBUS controller boards can be used with standard I/O modules in a control system.

Commercial data

Item number	2806943
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR16
Product key	DRSAAA
GTIN	4017918074982
Weight per piece (including packing)	496.7 g
Weight per piece (excluding packing)	496.7 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 INTERBUS slave module
Format	1 slot, central or expansion device

System properties

Local diagnostics

Monitored function	Operating voltage display
Optical representation	Green LED

Electrical properties

Local diagnostics	Operating voltage display Green LED
	Module error LED red
Transmission medium	Copper
Maximum power dissipation for nominal condition	max. 2.25 W

Supply

Supply voltage	9 V DC
Power supply connection	Via SIMATIC I/O bus
Max. current consumption	250 mA (from PLC and 100 mA from local bus)

Interfaces

Inline local bus

Connection method	Siemens I/O bus
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Host system

Connection method	Siemens SIMATIC S5 115U (requires adapter capsule 6E5S 491-OLB11), 130 WB, 130 K, 130 U, 150 K, 150 S, 150 U, 155 U
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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	7(a), 7(c)-I

EU REACH SVHC

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