

Bus coupler - IBS IL 24 BK-E2000-PAC - 2897169

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Inline, Bus coupler, INTERBUS, E2000, transmission speed in the local bus: 500 kbps, degree of protection: IP20, including Inline connector and labeling field

The figure shows a version without connector

Product Description

The bus coupler connects an Inline station to the INTERBUS remote bus and provides the supply voltages for the connected analog modules.

Your advantages

- ✓ Remote bus connections via E2000 connectors
- ✓ Use of PCF and/or glass fiber cable
- ✓ Optical path diagnostics
- ✓ Mode switch for adjusting interface properties

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 165808
GTIN	4046356165808

Technical data

Dimensions

Width	90 mm
Height	119.8 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	10 % ... 95 %
Permissible humidity (storage/transport)	10 % ... 95 %
Air pressure (operation)	70 kPa ... 106 kPa

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Technical data

Ambient conditions

Air pressure (storage/transport)	70 kPa ... 106 kPa
Degree of protection	IP20

General

Mounting type	DIN rail
Color	green
Net weight	210 g

Interfaces

Designation	INTERBUS
No. of channels	2
Connection method	E2000
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kbps

Network/bus system

Number of local bus devices that can be connected	max. 63
Number of devices with parameter channel	max. 63
Number of supported branch terminals with remote bus branch	0

Inline potentials

Designation	Bus coupler supply U_{BC} ; Communications power U_L (7.5 V) and the analog supply U_{ANA} (24 V) are generated from the bus coupler supply.
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	typ. 60 mA (without connected Inline I/O terminals)
	max. 960 mA (with max. number of connected I/O terminal blocks)
Designation	Communications power (U_L)
Supply voltage	7.5 V DC $\pm 5\%$
Power supply unit	max. 1 A DC
Designation	Supply of analog modules (U_{ANA})
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Power supply unit	max. 0.5 A DC

Electrical isolation

Test section	7.5 V communications power, 24 V analog supply, 24 V bus coupler supply/functional ground 1000 V DC 1 min.
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Classifications

eCl@ss

eCl@ss 10.0.1	27242608
eCl@ss 4.0	27250200
eCl@ss 4.1	27250200
eCl@ss 5.0	27250200
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

ETIM

ETIM 2.0	EC001433
ETIM 3.0	EC001601
ETIM 4.0	EC001604
ETIM 5.0	EC001604
ETIM 6.0	EC001604
ETIM 7.0	EC001604

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	39121311
UNSPSC 12.01	39121311
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

Accessories

Accessories

I/O component

Inline terminal - IB IL 24 PWR IN/2-F-PAC - 2862136



Inline power terminal, complete with accessories (connector and labeling field), 24 V DC, with fuse (main and segment voltage)

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Accessories

Inline terminal - IB IL 24 PWR IN-PAC - 2861331



Inline power terminal, complete with accessories (connector and labeling field), 24 V DC, without fuse

Inline terminal - IB IL 24 PWR IN/F-PAC - 2861438



Inline power terminal block, complete with accessories (connector and labeling field), 24 V DC, with fuse (Main voltage)

Inline terminal - IB IL 24 PWR IN/2-F-D-PAC - 2862152



Inline power terminal block, complete with accessories (connector and labeling field), 24 V DC, with fuse (Main and segment voltage) and diagnostics

Inline terminal - IB IL 24 PWR IN/F-D-PAC - 2861894



Inline power terminal block, complete with accessories (connector and labeling field), 24 V DC, with fuse (Main voltage) and diagnostics

Inline terminal - IB IL 24 PWR IN/2F-DF-PAC - 2863779



Inline power terminal block, complete with accessories (connector and labeling field), 24 V DC, with fuse (Main and segment voltage) and diagnostics

Plug

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Accessories

Inline connector - IB IL SCN-8-CP - 2727608



Inline connector, colored

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