

# IBS IL 24 BK-T/U-2MBD

## Discontinued item

Order No.: 2855240

The illustration shows the version IBS IL 24 BK-T/U



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2855240>

INTERBUS bus coupler, copper connection, transmission speed 2 MBaud, 24 V DC, without accessories

### Commercial data

GTIN (EAN)	 4 017918 901882
Note	Made-to-order
sales group	K410
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 39 (AX-2007)

### Product notes

WEEE/RoHS-compliant since:  
11/21/2007



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### Technical data

#### Interface

Fieldbus system	Lokalbus
Name	Inline local bus
Connection method	Inline data jumper
Transmission speed	2 MBaud
Fieldbus system	INTERBUS

Name	INTERBUS remote bus
Connection method	2x 6-pos. Inline shield connectors
Transmission speed	2 MBit/s
Transmission physics	Copper
Name	Supply
Connection method	8-pos. Inline connector

**Power supply for module electronics**

Connection method	Inline connectors
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including ripple)
Current consumption	max. 1.25 A (with max. number of connected I/O terminal blocks)

**General data**

Width	48.8 mm
Height	119.8 mm
Depth	71.5 mm
Weight	142 g
Mounting type	DIN rail
Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 % (in the range of -25°C ... +55°C, appropriate measures against increased humidity (> 85%) must be taken.)
Permissible humidity (storage/transport)	75 % ... 85 % (Slight temporary condensation may sometimes appear on the housing, e.g. when the terminal block is brought out of a vehicle into an enclosed room.)
Air pressure (operation)	80 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20

Test section	5 V supply, incoming remote bus/5 V supply outgoing remote bus 500 V AC 50 Hz 1 min
	5 V supply, incoming remote bus/7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply 500 V AC 50 Hz 1 min
	5 V supply, incoming remote bus/24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min
	5 V supply incoming remote bus / functional earth ground 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min
	5 V supply, outgoing remote bus/7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply 500 V AC 50 Hz 1 min
	5 V supply outgoing remote bus / functional earth ground 500 V AC 50 Hz 1 min
	7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply/functional earth ground 500 V AC 50 Hz 1 min
	7.5 V logics supply, 24 V analog supply, 24 V bus terminal module supply / 24 V main supply, 24 V segment supply 500 V AC 50 Hz 1 min
	24 V main supply, 24 V segment supply/functional earth ground 500 V AC 50 Hz 1 min

**Inline potential routing**

Communications power $U_L$	7.5 V DC $\pm 5\%$
Power supply at $U_L$	max. 2 A DC (observe derating)
Main circuit supply $U_M$	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at $U_M$	max. 8 A DC (Sum of $U_M + U_S$ )
Segment supply voltage $U_S$	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at $U_S$	max. 8 A DC (Sum of $U_M + U_S$ )
I/O supply voltage $U_{ANA}$	24 V DC -15% / +20%
Power supply at $U_{ANA}$	max. 0.5 A DC (observe derating)

**Certificates / Approvals**



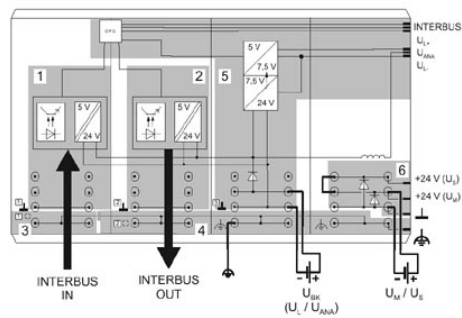
Certification CUL Listed, UL Listed  
 Certification Ex: PxC-EX

**Accessories**

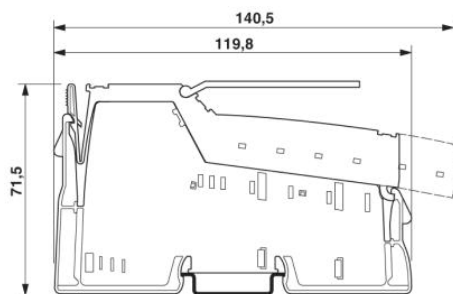
Item	Designation	Description
<b>Marking</b>		
0809502	ESL 62X46	Insert strip for laser printer, lettering field: 62 x 46 mm
2727515	IB IL FIELD 8	Labeling field, width: 48.8 mm
<b>Plug/Adapter</b>		
2727792	IB IL BK-PLSET	Connector set for Inline bus coupler
2860374	IB IL BK-PLSET/CP	Connector set for Inline bus coupler, color-coded

**Diagrams/Drawings**

Block diagram



Dimensioned drawing



**Address**

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