

## IBS ST ZF 24 BK-T


Order No.: 2750743

The illustration shows version IBS ST 24 BK-LK

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INTERBUS-ST bus terminal module, 24 V DC, 9-pos., D-SUB  
plug, IP20 protection, consisting of: Terminal part with spring-cage  
connection and module electronics

### Commercial data

GTIN (EAN)	 4 017918 108403
sales group	K400
Pack	1 pcs.
Customs tariff	85389091

### Product notes

WEEE/RoHS-compliant since:  
01/08/2008

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### Product description

INTERBUS ST standard bus terminal modules

The INTERBUS bus terminal module connects the input/output modules of an ST station with the INTERBUS network.

Depending on the transmission medium used, the bus terminal modules are equipped with different bus connections. For copper conductors, D-SUB and MINI-COMBICON connectors are available. The fiber optic versions are equipped with F-SMA connectors.

The bus terminal modules are available in two different performance classes. A maximum of 4 or 8 input/output modules can be operated on one bus terminal module.

The bus terminal module takes on the following functions within a modular INTERBUS-ST station:

- Refreshing the INTERBUS remote bus signals
- Electrical isolation of the remote bus segments
- Decoupling of the outgoing remote bus or of the connected input/ output modules from the INTERBUS network with a software command
- Supply of the connected input/output modules with an electrically isolated voltage supply from an integrated power supply unit

#### Technical data

##### Interface

Fieldbus system	INTERBUS
Name	INTERBUS remote bus
Connection method	9-pos. D-SUB plug/socket
Designation connection point	Incoming/Outgoing Remote Bus
Number of positions	9
Fieldbus system	Lokalbus
Name	ST local bus
Connection method	ST local bus connector

##### Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	18.5 V DC ... 30.5 V DC (including ripple)
Ripple	3.6 V <sub>pp</sub> within the allowable voltage range
Current consumption	Typ. 150 mA (without ST module expansions)

##### General data

Width	81 mm
Height	117 mm
Depth	116 mm
Weight	470 g
Mounting type	DIN rail
Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	30 % ... 75 % (On average, no condensation)
Permissible humidity (storage/transport)	30 % ... 95 % (On average, no condensation)

Air pressure (operation)	86 kPa ... 108 kPa (up to 1500 m above mean sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above mean sea level)
Degree of protection	IP20
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	Incoming remote bus / Outgoing remote bus 500 V AC 50 Hz 1 min
	Supply voltage/Ground conductor 500 V AC 50 Hz 1 min
	Incoming remote bus/ST interface 500 V AC 50 Hz 1 min

### Certificates / Approvals



Certification

CUL, GOST, UL

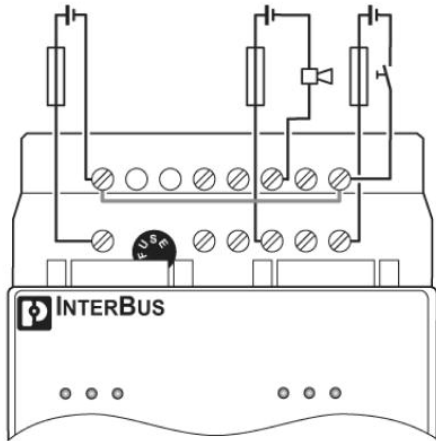
### Accessories

Item	Designation	Description
<b>Cable/conductor</b>		
2836492	IB ST LBC	Spare local bus cable, for INTERBUS-ST modules
<b>Fuse</b>		
2806600	IBS TR5 1AT	Replacement fuse for INTERBUS-ST module
<b>Replacement module electronics</b>		
2754367	IBS STME 24 BK-T	Replacement module electronics for IB ST (ZF) 24 BK-T

## Diagrams/Drawings

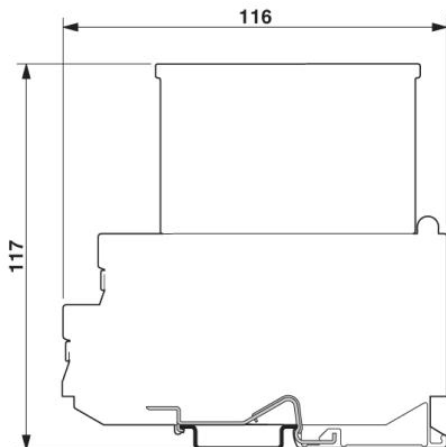
### Connection diagram

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### Dimensioned drawing

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