

I/O module - IB ST ZF 24 DI32/2 - 2750675

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INTERBUS-ST digital input module, 32 inputs, 24 V DC, 2-wire connection method, IP20 protection, consisting of: Terminal part with spring-cage connection and module electronics

The illustration shows version IB ST
24 BDI 32/2

Product Description

INTERBUS ST digital input modules

The digital INTERBUS input modules are designed for the connection of digital control signals, such as those generated by switches, limit switches, electronic proximity switches, and photoelectric switches.

The scope of functions provided by the standard models covers the majority of applications.

All the typical advantages of INTERBUS ST handling, such as multi-wire connection method and plug-in electronics are available.

Product Features

- 32 digital inputs
- Connection of sensors in 2-wire technology
- Diagnostic and status indicators



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 126902
Weight per Piece (excluding packing)	670.0 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

I/O module - IB ST ZF 24 DI32/2 - 2750675

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Dimensions

Width	118 mm
Height	117 mm
Depth	116 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	75 % (on average, 85% infrequently, non-condensing)
Permissible humidity (storage/transport)	75 % (on average, 85% infrequently, non-condensing)
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above mean sea level)
Air pressure (storage/transport)	80 kPa ... 108 kPa (up to 2000 m above mean sea level)
Degree of protection	IP20

Interfaces

Fieldbus system	Lokalbus
Designation	ST local bus
Connection method	ST local bus connector
Transmission speed	500 kBit/s

Digital inputs

Input name	Digital inputs
Connection method	Spring-cage connection
	2-wire
Number of inputs	32
Typical response time	3 ms (typical)
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 6 V DC
Input voltage range "1" signal	13 V DC ... 30 V DC
Nominal input current at U_{IN}	typ. 5 mA (per channel)

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	20 V DC ... 30 V DC (including ripple)
Ripple	3.6 V _{pp} within the allowable voltage range
Current consumption	typ. 200 mA
Communications power U_L	9 V DC
Current consumption	max. 100 mA

General

Mounting type	DIN rail
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Technical data

General

Net weight	740 g
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Standards and Regulations

Test section	Bus logic / I/O 500 V AC 50 Hz 1 min.
	Ground conductor / I/O 500 V AC 50 Hz 1 min.
	Supply voltage logic / I/O 500 V AC 50 Hz 1 min.
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604
eCl@ss 9.0	27242604

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

Approvals

I/O module - IB ST ZF 24 DI32/2 - 2750675

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized



cUL Recognized



EAC

cULus Recognized



Accessories

Accessories

Bridge

Jumper - IB ST LBC - 2836492



Spare local bus cable, for INTERBUS-ST modules

Fuse

I/O module - IB ST ZF 24 DI32/2 - 2750675

Accessories

Fuse - IBS TR5 2AT - 2752505



Replacement fuse, for INTERBUS-ST modules

I/O component

Replacement electronics module - IB STME 24 DI32/2 - 2754985



Replacement module electronics for IB ST (ZF) 24 DI 32/2

Spare parts

Jumper - IB ST LBC - 2836492



Spare local bus cable, for INTERBUS-ST modules

Fuse - IBS TR5 2AT - 2752505



Replacement fuse, for INTERBUS-ST modules

Replacement electronics module - IB STME 24 DI32/2 - 2754985

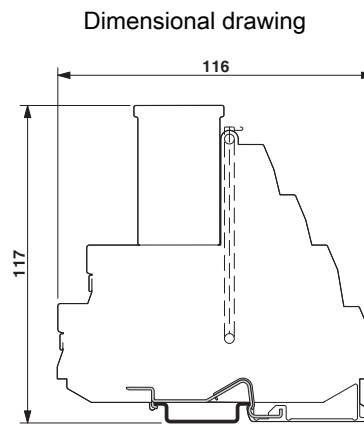


Replacement module electronics for IB ST (ZF) 24 DI 32/2

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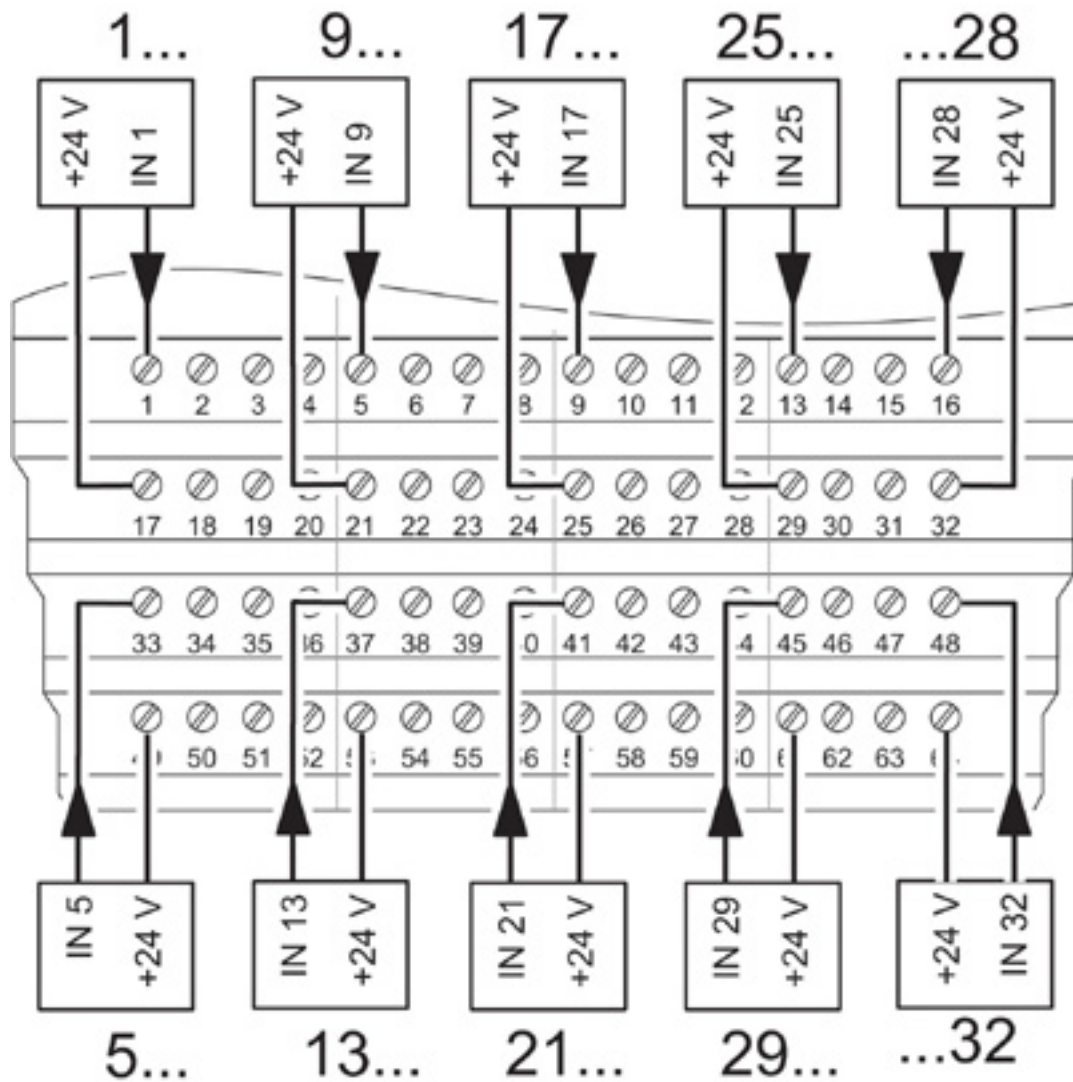
Accessories

Drawings



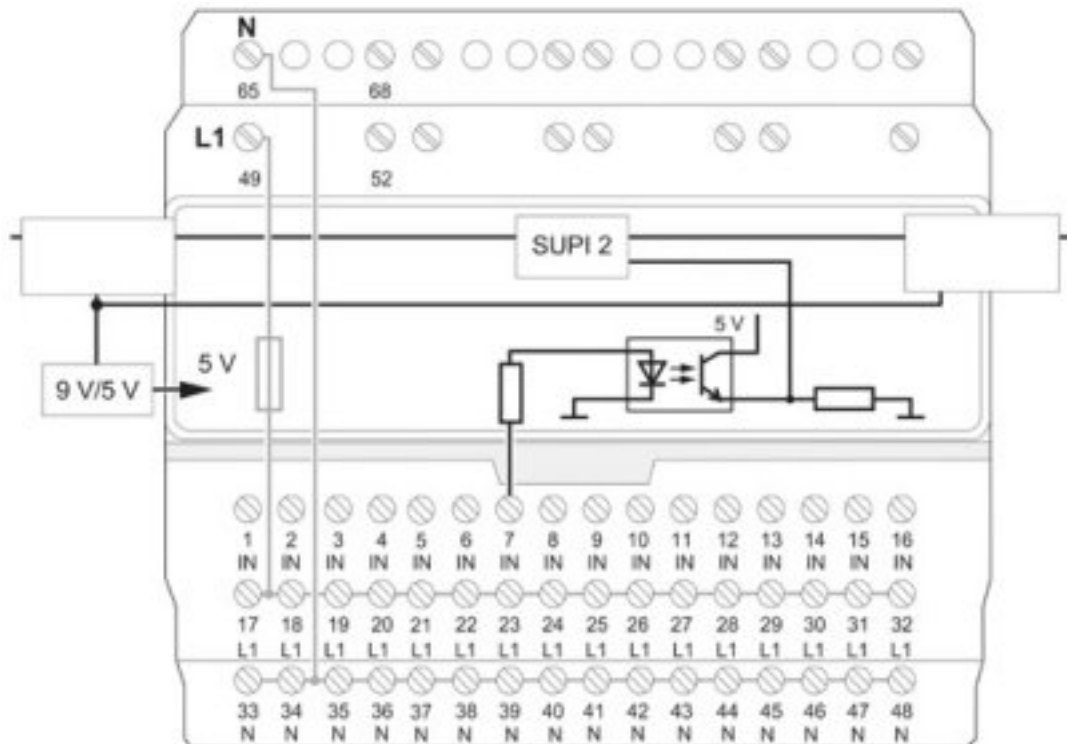
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Connection diagram



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Block diagram



Mouser Electronics

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