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

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The figure shows version IB ST 24 BDI 32/2

INTERBUS-ST digital input module, 32 inputs, 24 V DC, 2-conductor connection technology, IP20 degree of protection, consisting of: terminal part with spring-cage connection and module electronics

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.

Your advantages

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 126902
GTIN	4017918126902
Weight per Piece (excluding packing)	670.000 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

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Technical data

Note

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

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 sea level)
Air pressure (storage/transport)	80 kPa ... 108 kPa (up to 2000 m above sea level)
Degree of protection	IP20

Interfaces

Designation	ST local bus
Connection method	ST local bus connector
Transmission speed	500 kbps

Digital inputs

Input name	Digital inputs
Connection method	Spring-cage connection
Connection technology	2-conductor
Number of inputs	32
Typical response time	3 ms (typical)
Nominal input current at U_{IN}	typ. 5 mA (per channel)
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

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

General

Mounting type	DIN rail

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Technical data

General

Net weight	620 g
Mounting position	Horizontal DIN rail

Electrical isolation

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.

Standards and Regulations

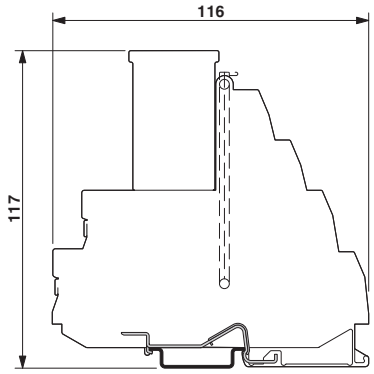
Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

Drawings

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27242604
eCl@ss 11.0	27242604
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300

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Classifications

eCl@ss

eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242604
eCl@ss 9.0	27242604

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 6.0	EC001599
ETIM 7.0	EC001599

UNSPSC

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

Approvals

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324

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Approvals

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
EAC			EAC-Zulassung
cULus Recognized