



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking HERE. [HERE](#)

I/O module - IB ST 24 DI32/2 - 2754927

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

Product Description

INTERBUS ST standard 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.

Why buy this product

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

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 063405

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 mean sea level)
Air pressure (storage/transport)	80 kPa ... 108 kPa (up to 2000 m above mean sea level)

I/O module - IB ST 24 DI32/2 - 2754927

Technical data

Ambient conditions

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	Screw 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

Net weight	740 g
Mounting type	DIN rail

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

I/O module - IB ST 24 DI32/2 - 2754927

Classifications

eCl@ss

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

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
mm ² /AWG/kcmil	30-12

I/O module - IB ST 24 DI32/2 - 2754927

Approvals

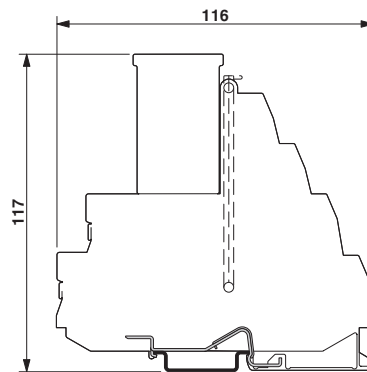
cUL Recognized	
mm ² /AWG/kcmil	30-12

EAC

cULus Recognized

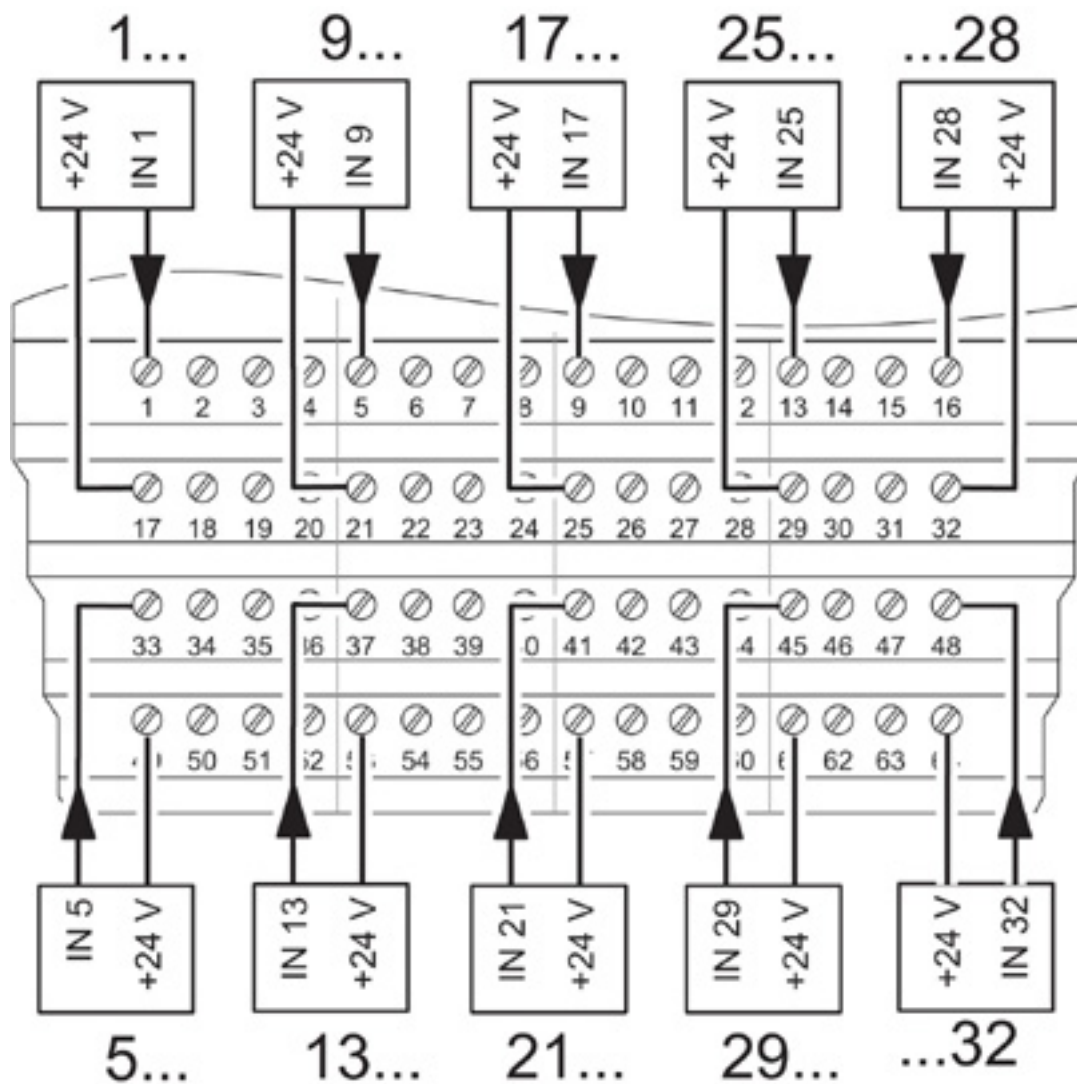
Drawings

Dimensional drawing



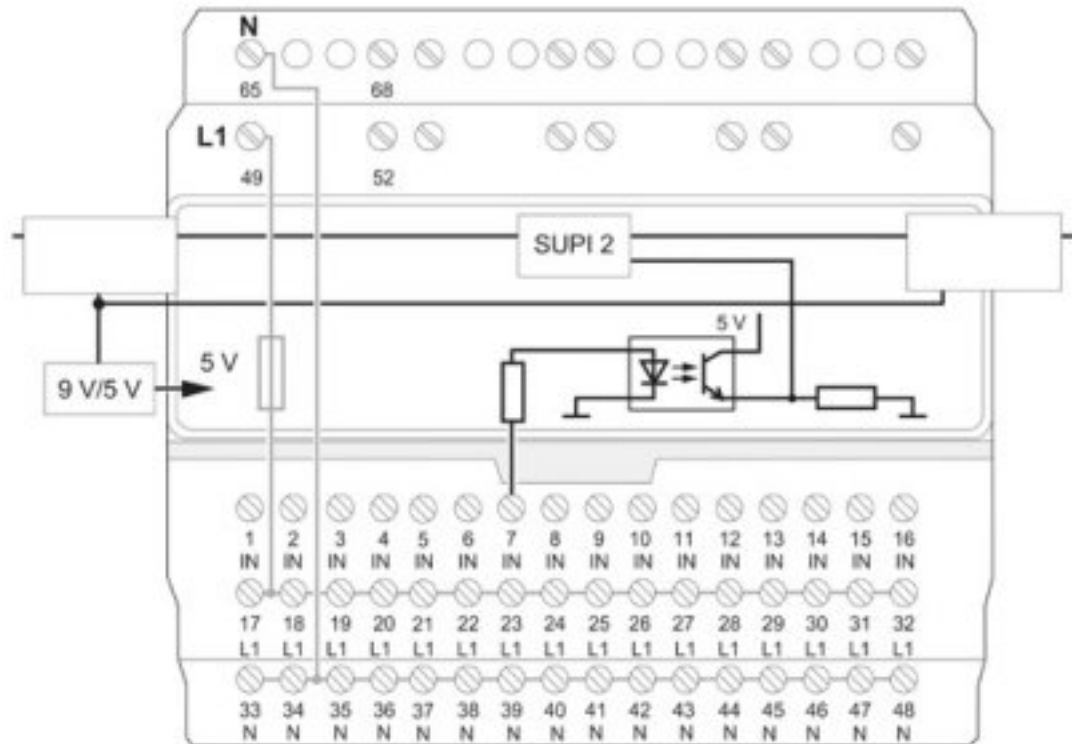
I/O module - IB ST 24 DI32/2 - 2754927

Connection diagram



I/O module - IB ST 24 DI32/2 - 2754927

Block diagram



Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



Automatización Eléctrica
Especialistas en Automatización

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
INTERBUS-ST digital input module, 32 inputs, 24 V DC, 2-wire connection method, IP20 protection, consisting of: Terminal part with screw connection and module electronics	2754927	IB ST 24 DI32/2	Buy on EAN