PHŒNIX CONTACT

I/O module - IBS RT 24 DI 32-T - 2752741

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INTERBUS-RT digital input module, 32 inputs, 24 V DC, 1-conductor connection technology, IP20 degree of protection, without connector set

The figure shows version IBS RT 24 DI 16-T

Product Description

INTERBUS-RT modules with digital inputs
These INTERBUS-RT input modules are designed as an inexpensive solution for use in machines and systems with few I/Os. Integrating the bus terminal function into the modules results in a very compact design.
The digital input modules are available with 16 or 32 inputs in 24 V DC, 120 V AC, and 230 V AC voltage versions.
The sensors are connected in 1-, 2-, 3- or 4-conductor connection technology directly on the module, using either plug-in COMBICON screw or spring-cage terminal blocks. The individual terminal strips are coded to prevent mismatching during installation.
Using these plug-in terminal blocks and D-SUB connectors to connect INTERBUS makes the wiring permanent. In the event of a malfunction or modification, the modules can be replaced in just a few steps.
Contact with the protective grounding is established directly when the modules are snapped onto the DIN rail or mounted on a surface.
Corresponding marshalling adapters are available to marshal additional potential levels.
Status LEDs and bus diagnostics indicators provide information about the device state at all times.
All modules can be marked individually via the large marking field. The insert cards can be marked by hand or using a plotter or printer. Replacement marking fields are of course available for all module types.
The OPTOSUB-PLUS INTERBUS connector is available for converting data signals from copper cables to fiber optics.

Key Commercial Data

Packing unit	1 pc
GTIN	(barcode) 4 017918 101855
GTIN	4017918101855
Weight per Piece (excluding packing)	3.390 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Power supply

Typical current consumption	100 mA
I/O voltage	24 V DC
I/O voltage range	19.2 V DC ... 30 V DC

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Technical data

Power supply

Residual ripple	± 1.2 V DC

Inputs

Number of inputs	32
Number of input groups	2
Connection technology	1-conductor (optional 2, 3-conductor)
Typical input current per channel	6 mA (at 24 V DC)
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	15 V DC ... 30 V DC
Delay at signal change from 0 to 1	3 ms
Delay at signal change from 1 to 0	3 ms

General

Weight	240 g

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599
ETIM 6.0	EC001599

UNSPSC

UNSPSC 6.01	43172015

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

UL Listed / cUL Listed / INTERBUS CLUB / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705

INTERBUS CLUB	237/03.09.99

EAC		EAC-Zulassung

cULus Listed	

Accessories

Accessories

Plug

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Accessories

Connector set - IBS RT PLSET SMSTB - 1850437

COMBICON connector set, with screw connection

Connector set - IBS RT PLSET FK - 1850424

COMBICON connector set, with spring cage connection

Marking label - IBS RT LABEL DI - 2721840

Replacement labeling tag