

# IBS IP CDIO/R 24-12/4/8-SF - I/O module



2730077

<https://www.phoenixcontact.com/us/products/2730077>

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The figure shows version IBS IP CDIO/R 24-8

Digital input/output module, for use on robots, IP65 degree of protection, 12 inputs, 24 V DC, 4-conductor connection technology and 4 outputs, 24 V DC, 0.5 A/2 A, 3-conductor connection technology, connection of additional signals via the back of the module

## Your advantages

- 4 digital outputs
- Diagnostic and status indicators
- 12 digital inputs

## Commercial data

Item number	2730077
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN16
Product key	DRIA23
GTIN	4017918437312
Weight per piece (including packing)	659.4 g
Weight per piece (excluding packing)	651 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Interfaces

#### Installation remote bus

Transmission speed	500 Mbps
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### System properties

#### Local diagnostics

Error messages via the bus	Short-circuit or overload of the initiator power supply
	Short-circuit or overload of the output
	Undervoltage from US1 / US2

### Input data

#### Digital

Number of inputs	12
Input voltage	24 V DC
Input voltage range "0" signal	-30 V ... 5 V
Input voltage range "1" signal	13 V ... 30 V
Connection technology	4-conductor

### Output data

#### Digital

Number of outputs	4
Protective circuit	Short-circuit protection, polarity reversal protection

### Product properties

Product type	I/O component
Type	Block design

### Electrical properties

Test section	Supply voltage US1; sensor supply 500 V AC 50 Hz 1 min
	Supply voltage US2 500 V AC 50 Hz 1 min
	Bus logic, incoming and outgoing remote bus 500 V AC 50 Hz 1 min

#### Supply

Supply voltage	24 V DC
Supply voltage range	18.5 V ... 32 V (including ripple)
Residual ripple	3.6 V <sub>PP</sub>

### Connection data

Connection method	M17 circular connector
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
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## Mounting

Mounting type	Panel mounting
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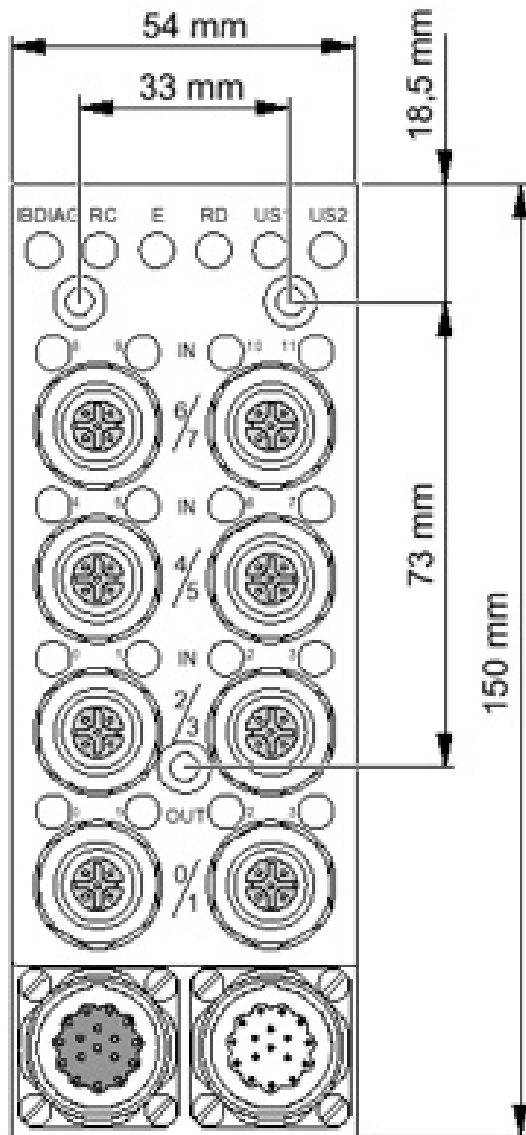
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## Drawings

Dimensional drawing



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## Classifications

### UNSPSC

UNSPSC 21.0	32151602
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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