

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



2719564

<https://www.phoenixcontact.com/us/products/2719564>

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Digital input/output module, for use on robots, IP65 degree of protection, 8 inputs, 24 V DC, 4-conductor connection technology or 8 outputs, 24 V DC, 0.5 A, 3-conductor connection technology, connection of additional signals via the back of the module

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

## Product description

The IBS IP CDIO/R 24... modules are available as an input/output unit for the robot concept. The metal housing allows them to be used in welding applications. The module can be used directly on the welding transformer if it is mounted on a terminal box. The modules are connected via a 17-pin circular connector. In addition to the INTERBUS and power supply lines, this connector also carries two further signal lines for constant current regulation (CCR) and for secondary circuit monitoring (SCM). These signals are looped in on the underside of the .../SF devices and are needed at the welding current controller for control and monitoring tasks.

Two module types are available:

The IBS IP CDIO 24-8 ... module has 8 channels that can be used either as inputs or as outputs.

The IBS IP CDIO 24-12/4/8 .. module has 12 inputs and 8 outputs.

## Your advantages

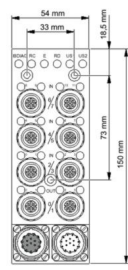
- Degree of protection IP65
- Electrical isolation of I/O and bus logic

## Commercial data

Item number	2719564
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN16
Product key	DR1A23
GTIN	4017918241650
Weight per piece (including packing)	686.7 g
Weight per piece (excluding packing)	681 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Dimensions

Dimensional drawing		
Width		54 mm
Height		150 mm
Depth		62 mm

### 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

### Input data

#### Digital

Number of inputs	8
Input voltage	24 V DC
Input voltage range "0" signal	-30 V ... 5 V
Input voltage range "1" signal	13 V ... 30 V
Protective circuit	Short-circuit protection, polarity reversal protection
Connection technology	4-conductor

### Output data

#### Digital

Number of outputs	7
Protective circuit	Short-circuit protection, polarity reversal protection

### Product properties

Product type	I/O component
Type	Block design

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## Electrical properties

### Supply

Supply voltage	24 V DC
Supply voltage range	18.5 V ... 30.5 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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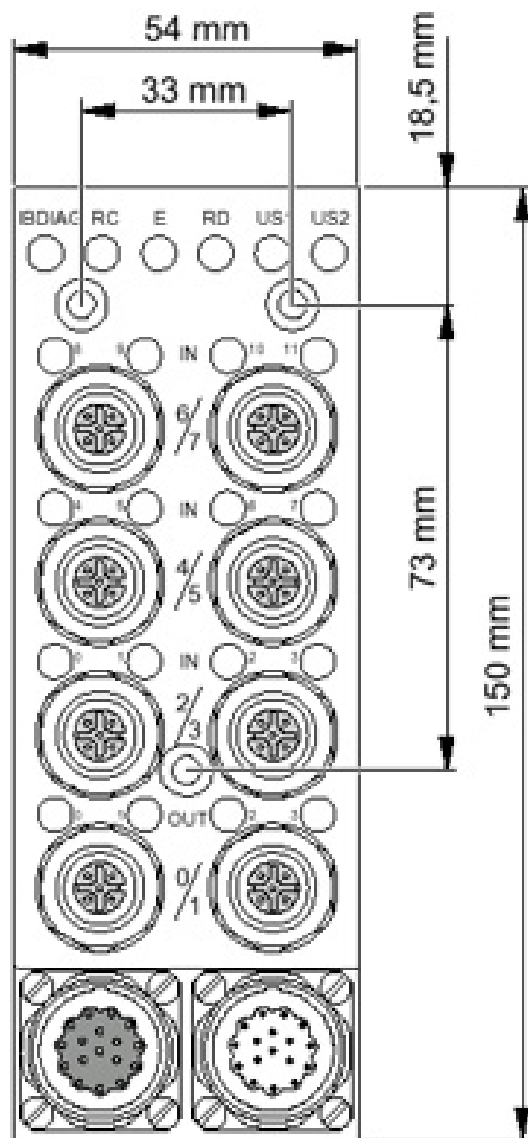
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## Drawings

Dimensional drawing

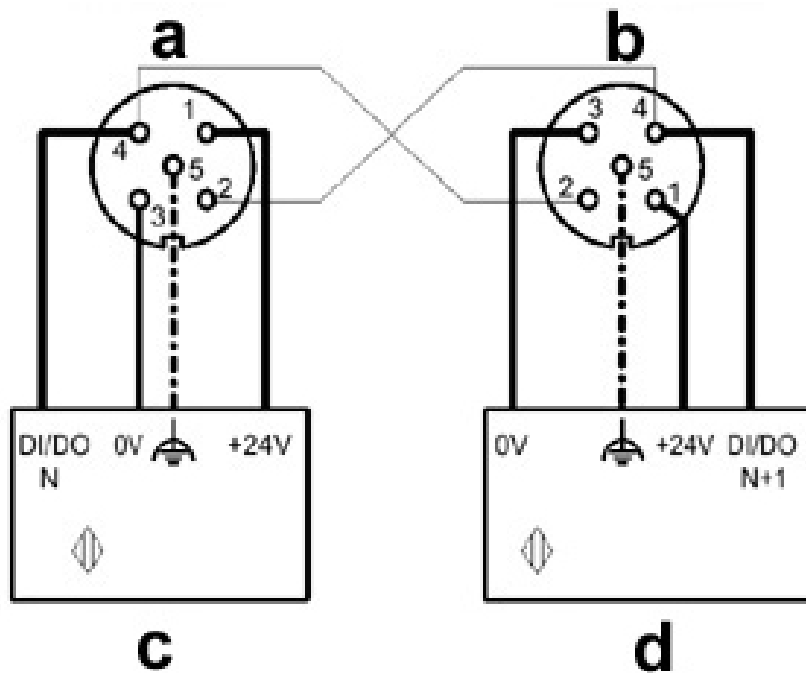


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## Connection diagram



a = female n

b = male n+1

c = sensor sockets 1, 3, 5, 7

d = sensor sockets 2, 4, 6, 8

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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.)	Lead(CAS: 7439-92-1)
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