

## I/O module - IBS IP CDIO/R 24-12/4/8-SF - 2730077

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

The illustration 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/R 24-8 ... module has 8 channels that can be used either as inputs or as outputs. The IBS IP CDIO/R 24-12/4/8 .. module has 12 inputs and 4 outputs.

### Product Features

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



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	657.1 g
Custom tariff number	85176200
Country of origin	Germany

### Technical data

#### Note

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

Degree of protection	IP65
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## Technical data

### Interfaces

Interface	Installation remote bus
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### Power supply

Residual ripple	3.6 V <sub>PP</sub>
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### Electrical isolation

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.

### Inputs

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

### Outputs

Number of outputs	4
Connection method	3-conductor (shielded)
Type of protection	Short-circuit protection, polarity reversal protection

### General

Weight	800 g
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### Standards and Regulations

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.
Connection in acc. with standard	CUL

### 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

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### Classifications

#### eCl@ss

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

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##### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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##### Ex Approvals

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##### Approvals submitted

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#### Approval details

UL Recognized 
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cUL Recognized 
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## I/O module - IBS IP CDIO/R 24-12/4/8-SF - 2730077

### Approvals

EAC

cULus Recognized 

### Accessories

#### Accessories

Circular connector (cable-side)

Cable connector - TGGM/CDIO/17-ST - 1667895

INTERBUS remote bus connectors, straight, with contacts 12x 1597862, 5x 1602996, with IP68 cable gland Pg16, pin contact insert

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Cable connector - TGGM/CDIO/17-BU - 1667905



INTERBUS remote bus connector, straight, with contacts 12x 1599600, 5x 1602998, with IP68 cable gland Pg16, socket contact insert

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Cable connector - TWGM/CDIO/17-ST - 1667950



INTERBUS remote bus connector, angled, with contacts, male contact insert

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Cable connector - TWGM/CDIO/17-BU - 1667963



INTERBUS remote bus connector, angled, with contacts, female contact insert

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Protective cap

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### Accessories

Protective cap - MSK 2 - 1665907

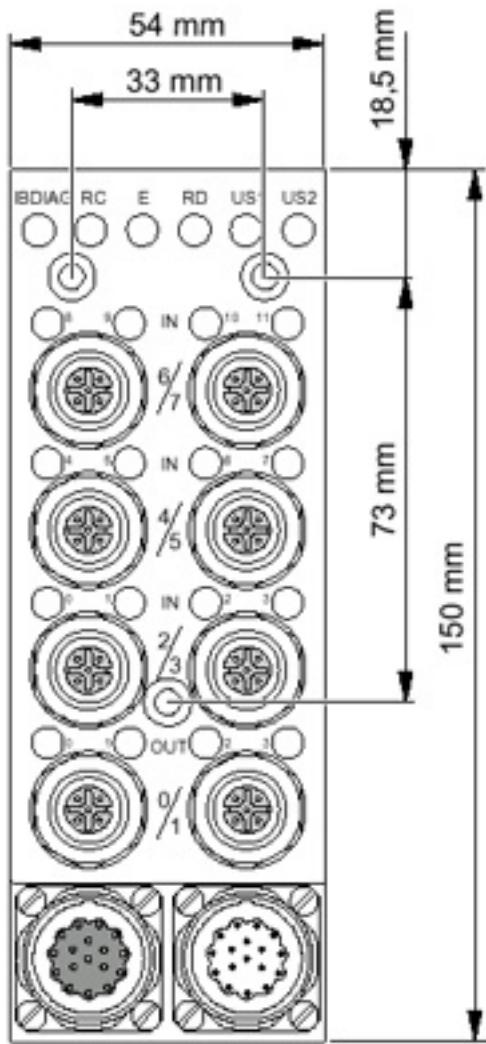


M23 metal sealing cap, for unoccupied M23 connectors, with steel wire

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### Drawings

Dimensional drawing



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