

# IBS SAB 24 DI 8/16 - Distributed I/O device



2731678

<https://www.phoenixcontact.com/us/products/2731678>

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The figure shows version IBS  
SAB 24 DI 8/8

INTERBUS sensor/actuator box, digital input module, 16 digital inputs, 24 V DC, 4-conductor connection technology, IP67 degree of protection

## Commercial data

Item number	2731678
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN16
Product key	DRIA43
GTIN	4017918168872
Weight per piece (including packing)	410 g
Weight per piece (excluding packing)	410 g
Customs tariff number	85389091
Country of origin	DE

## Technical data

### Electrical properties

#### Supply

I/O voltage	24 V DC 5 % (ripple)
I/O voltage range	20 V DC ... 30 V DC (including ripple)
Residual ripple	± 1.2 V DC
Max. current consumption	500 mA (at 24 V DC with load)
Typical current consumption	100 mA (from the installation remote bus)

### Input data

#### Digital

Number of inputs	16
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	13 V DC ... 30 V DC
Connection method	5-pos. M12 sensor connector, female
Connection technology	4-conductor
Typical input current per channel	3 mA

### Connection data

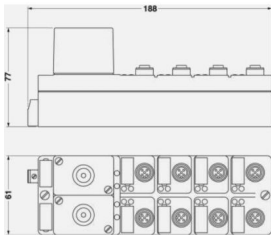
Conductor cross-section, rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section, flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	28 ... 16

### Interfaces

#### Installation remote bus

Connection method	SAB connector hood with MINI-COMBICON
Transmission physics	Copper

### Dimensions

Dimensional drawing	
Width	61 mm
Height	77 mm
Length	77 mm

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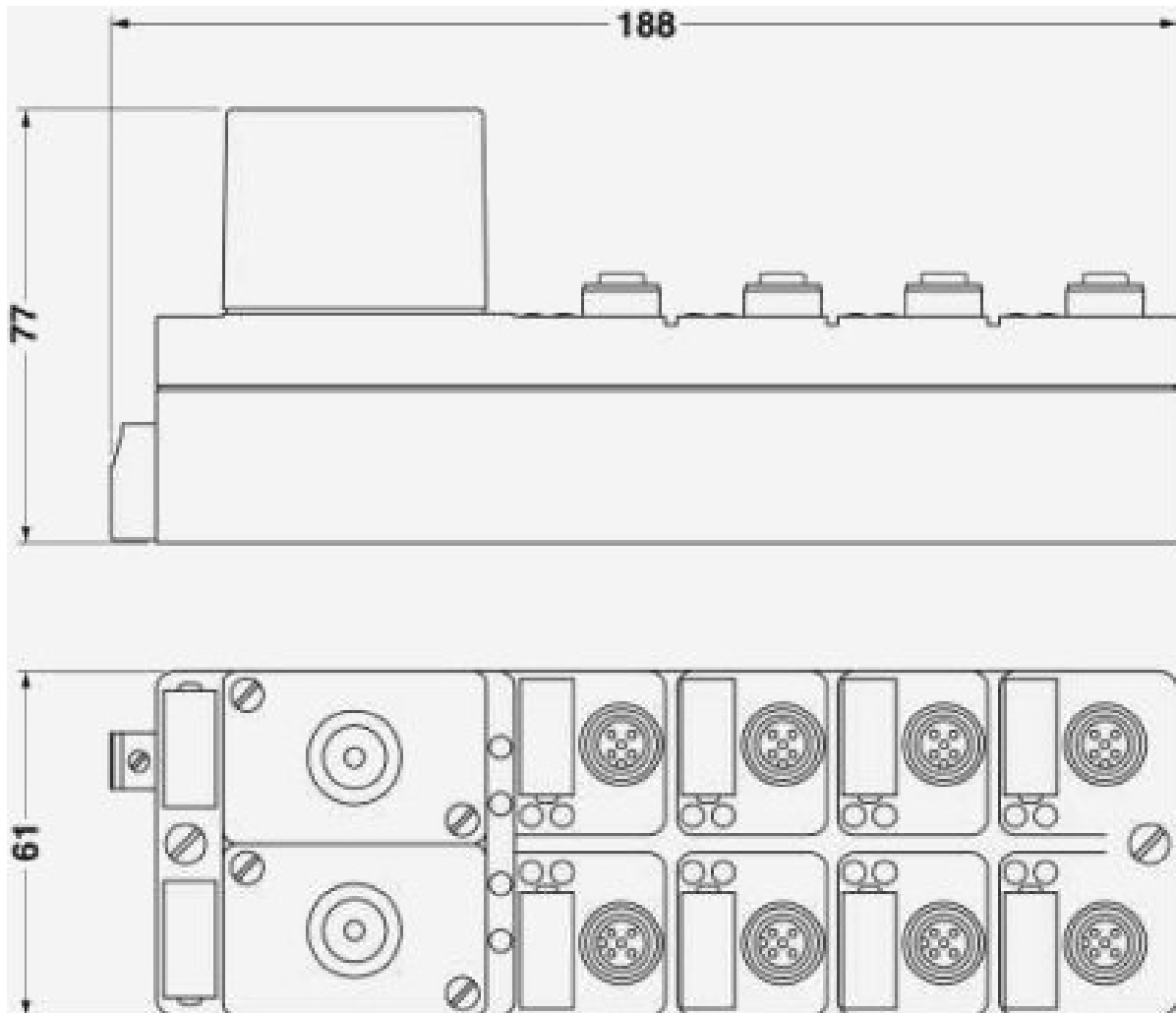
## Mounting

Mounting type

Panel mounting

Drawings

Dimensional drawing

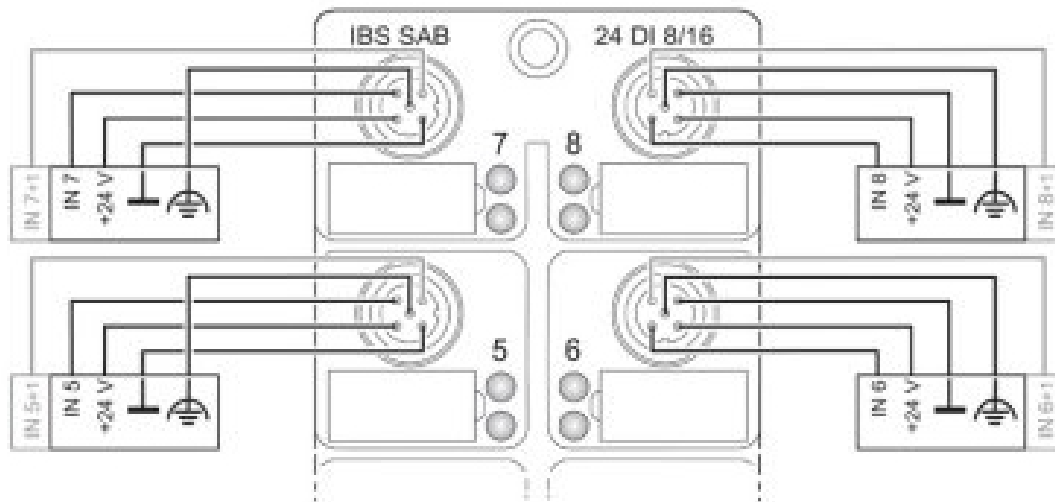


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Connection diagram



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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

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