

# SAC-ASI-J-Y-B-M12FS - Distributor



1405621

<https://www.phoenixcontact.com/us/products/1405621>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



AS-Interface distributor with a high degree of protection, for a branch from two flat-ribbon conductors to one straight, A-coded, 4-pos. M12 socket

## Commercial data

Item number	1405621
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GFA
GTIN	4046356754941
Weight per piece (including packing)	48 g
Weight per piece (excluding packing)	45.1 g
Customs tariff number	85366990
Country of origin	VN

1405621

<https://www.phoenixcontact.com/us/products/1405621>

## Technical data

### Product properties

Product type	Network distributor box
Number of positions	4
Coding	A

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Nominal voltage $U_N$	$\leq 32$ V DC
Nominal current $I_N$	4 A
Transmission medium	Copper

### Connection data

#### Connection technology

Connection method	AS-i penetration technique
-------------------	----------------------------

#### Connection assignment

Contact   Color (signal designation)   Contact (optional)	1 (M12 socket) (AS-i+)   3.1 (AS-i distributors)
	2 (M12 socket) (AUX-)   4.2 (AS-i distributors)
	3 (M12 socket) (AS-i-)   3.2 (AS-i distributors)
	4 (M12 socket) (AUX+)   4.1 (AS-i distributors)
	5 (M12 socket)   N.C.

### Interfaces

Bus system	AS-Interface
------------	--------------

### Signaling

Status display	no
Status display present	no

### Connector

#### Connection 1

Type	Load center AS-i Screw locking
Number of positions	4
Locking type	Screw locking mechanism
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PBT (Contact carrier)
	PBT (Housing)
	Stainless steel (Screw connection)

# SAC-ASI-J-Y-B-M12FS - Distributor



1405621

<https://www.phoenixcontact.com/us/products/1405621>

Tightening torque	1.65 Nm (Locking screw)
-------------------	-------------------------

## Connection 2

Type	Socket straight M12
Number of positions	4 (5)
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	TPE-U (Contact carrier)
	Zinc die-cast, nickel-plated (Screw connection)
Insertion/withdrawal cycles	≥ 100
Tightening torque	0.4 Nm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 75 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

## Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

# SAC-ASI-J-Y-B-M12FS - Distributor

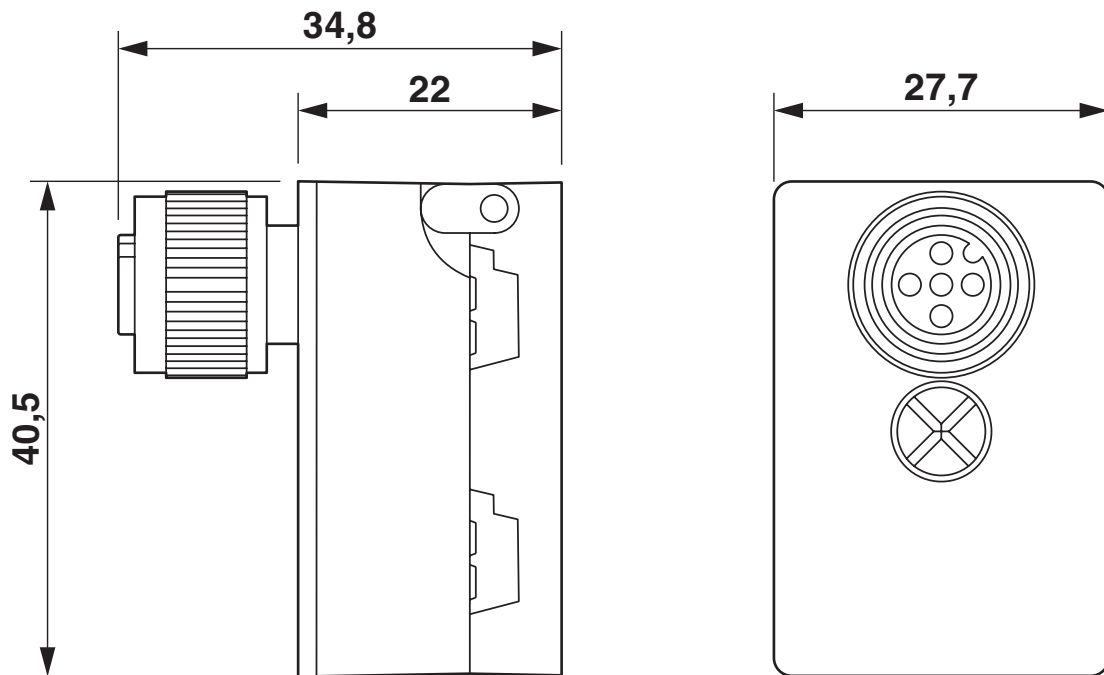


1405621

<https://www.phoenixcontact.com/us/products/1405621>

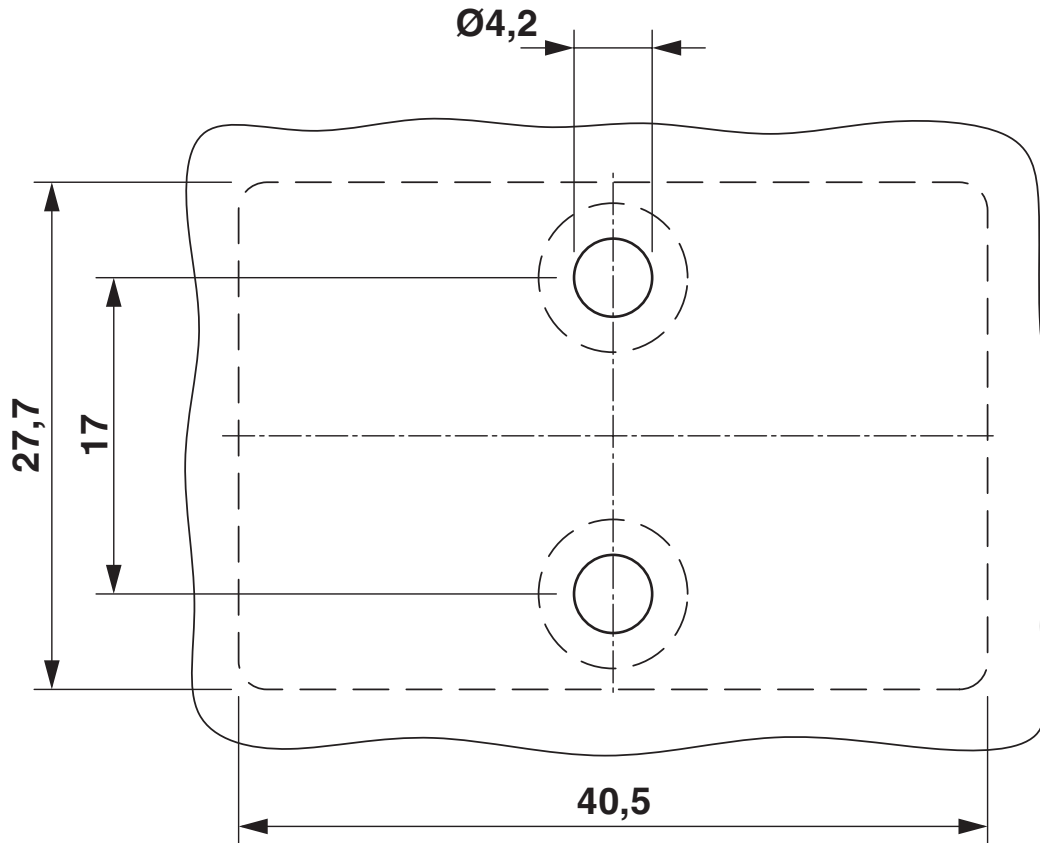
## Drawings

Dimensional drawing



Distributor, AS-Interface

Dimensional drawing



Distance and position of the mounting holes

1405621

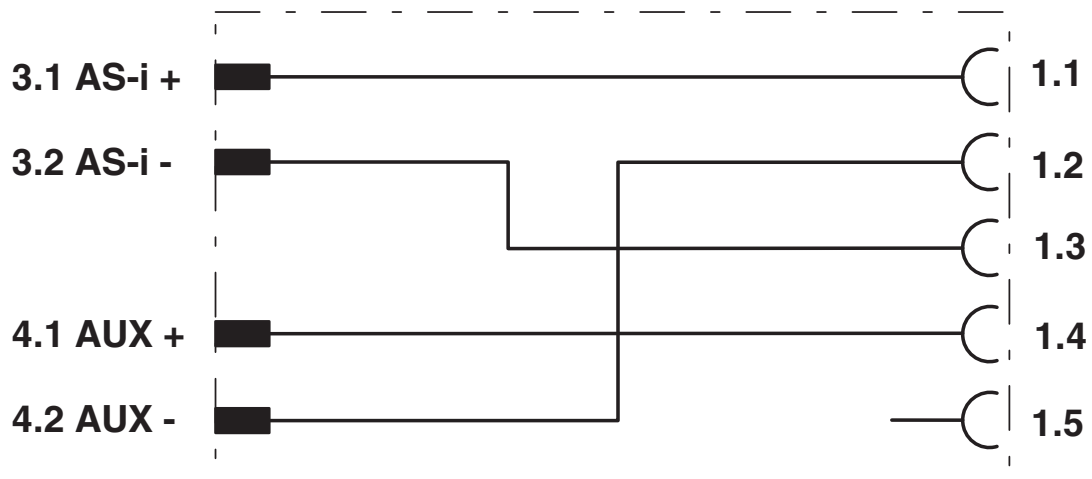
<https://www.phoenixcontact.com/us/products/1405621>

Schematic diagram



Pin assignment M12, PIN 1: AS-i +, PIN 2: AUX -, PIN 3: AS-i -, PIN 4: AUX +, PIN 5: Not used

Circuit diagram



Contact assignment of the AS-Interface distributor

# SAC-ASI-J-Y-B-M12FS - Distributor



1405621

<https://www.phoenixcontact.com/us/products/1405621>

## Classifications

### ECLASS

ECLASS-13.0	27440106
ECLASS-15.0	27440106

### ETIM

ETIM 10.0	EC002925
-----------	----------

### UNSPSC

UNSPSC 21.0	31251500
-------------	----------

1405621

<https://www.phoenixcontact.com/us/products/1405621>

## Environmental product compliance

### EU RoHS

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

### China RoHS

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

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	6341da11-639b-4ba5-b3ee-d05e9925beae

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)