

# SAC-2P-ASIFK/ 5,0-PUR/M12FS P - Bus system cable



1557316

<https://www.phoenixcontact.com/us/products/1557316>

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Bus system cable, AS-Interface, 2-position, shielded, Plug straight AS-i, on Socket straight M12, coding: A, cable length: 5 m, with plastic knurl

## Commercial data

Item number	1557316
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF03
Product key	BF1CBA
GTIN	4046356185066
Weight per piece (including packing)	270.9 g
Weight per piece (excluding packing)	262.051 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Data cable preassembled
Sensor type	AS-Interface
Number of positions	2
No. of cable outlets	1
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Interfaces

Bus system	AS-Interface
Signal type/category	AS-Interface

### Signaling

Status display	no
Status display present	No

### Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V AC
	30 V DC
Nominal current $I_N$	2 A

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
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### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires

### Connector

#### Connection 1

Type	Plug straight AS-i
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#### Connection 2

Type	Socket straight M12
Coding type	A (Standard)

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Material	CuSn (Contact)
	Ni/Au (Contact surface)
	TPU GF (Contact carriers)
	TPU, hardly inflammable, self-extinguishing (Grip body)
	Plastic (Screw connection)

## Cable/line

Cable length	5 m
Cable type	PUR/PVC black
Signal type/category	AS-Interface
External cable diameter	5.80 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Single wire, color	brown, blue
Cable cross section	0.75 mm <sup>2</sup>
Material, inner sheath	PVC
Conductor material	Bare Cu litz wires
AWG signal line	18
Material wire insulation	PVC

## Environmental and real-life conditions

### Ambient conditions

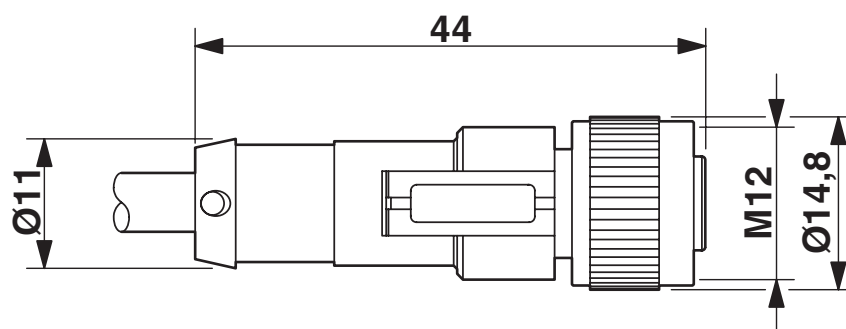
Degree of protection	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-25 °C ... 70 °C (Flat-ribbon cable terminal block)
	-25 °C ... 80 °C (cable, fixed installation)
	-25 °C ... 80 °C (Cable, flexible installation)

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## Drawings

Dimensional drawing



M12 x 1 socket, straight

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1557316>



**EAC-RoHS**

Approval ID: RU D-DE.HB35.B.00387

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## Classifications

### ECLASS

ECLASS-11.0	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307

### ETIM

ETIM 9.0	EC001855
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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