

# SAC-2P-ASIFK/ 3,0-PUR/M12FS P - Bus system cable



1557303

<https://www.phoenixcontact.com/us/products/1557303>

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.



Bus system cable, AS-Interface, 2-position, shielded, Plug straight AS-i, on Socket straight M12, coding: A, cable length: 3 m, with plastic knurl

## Commercial data

Item number	1557303
Packing unit	1 pc
Sales key	BF03
Product key	AF1CBA
GTIN	4046356185059
Weight per piece (including packing)	176.9 g
Weight per piece (excluding packing)	176.9 g
Customs tariff number	85444290
Country of origin	DE

1557303

<https://www.phoenixcontact.com/us/products/1557303>

## Technical data

### Product properties

Product type	Data cable preassembled
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	≥ 100 MΩ
Nominal voltage $U_N$	30 V AC
	30 V DC
Nominal current $I_N$	2 A

### Mechanical properties

#### Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

### 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
------	--------------------

#### Connection 2

Type	Socket straight M12
Coding type	A (Standard)
	CuSn (Contact)

# SAC-2P-ASIFK/ 3,0-PUR/M12FS P - Bus system cable



1557303

<https://www.phoenixcontact.com/us/products/1557303>

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

## Cable/line

Cable length	3 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

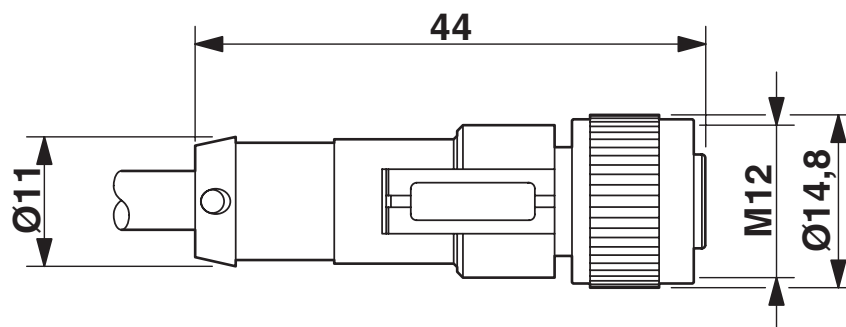
## Environmental and real-life conditions

### 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)

## Drawings

Dimensional drawing



M12 x 1 socket, straight

# SAC-2P-ASIFK/ 3,0-PUR/M12FS P - Bus system cable



1557303

<https://www.phoenixcontact.com/us/products/1557303>

## Classifications

### ECLASS

ECLASS-13.0	27060311
ECLASS-15.0	27060311

### UNSPSC

UNSPSC 21.0	31251501
-------------	----------

1557303

<https://www.phoenixcontact.com/us/products/1557303>

## Environmental product compliance

### EU RoHS

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

### 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%
-------------------------------------	----------------------------

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)