

# SAC-5P-M12Y/2XM12FS VP - Y distributor



1683468

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Y distributor, 5-position, unshielded, Plug straight M12, coding: A, on Socket straight M12, coding: A and Socket straight M12, coding: A, Parallel distributor

## Commercial data

Item number	1683468
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GAB
GTIN	4017918166915
Weight per piece (including packing)	28.69 g
Weight per piece (excluding packing)	28 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Notes

General	with center distance of 18 mm, suitable for molded connectors and unshielded connectors that can be assembled with QUICKON IDC terminal block connection technology and a connection range of 0.14 mm <sup>2</sup> to 0.34 mm <sup>2</sup>
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### Product properties

Product type	Y-distributor
Number of positions	5
No. of cable outlets	2
Shielded	no
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

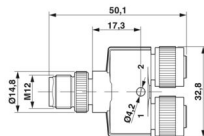
### Electrical properties

Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	48 V AC
	60 V DC
Nominal current I <sub>N</sub>	4 A

### Signaling

Status display	no
Status display present	no

### Dimensions

Dimensional drawing	
Width	33 mm
Height	14.8 mm
Length	50.1 mm
Center distance	18 mm

### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing

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Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

## Connector

### Connection 1

Type	Plug straight M12
Coding type	A

### Connection 2

Type	Socket straight M12
Coding type	A

### Connection 3

Type	Socket straight M12
Coding type	A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation) (male connector/female connector)	-25 °C ... 90 °C (Plug / socket)

## Standards and regulations

### M12

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

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## Drawings

Dimensional drawing



M12 Y distributor

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

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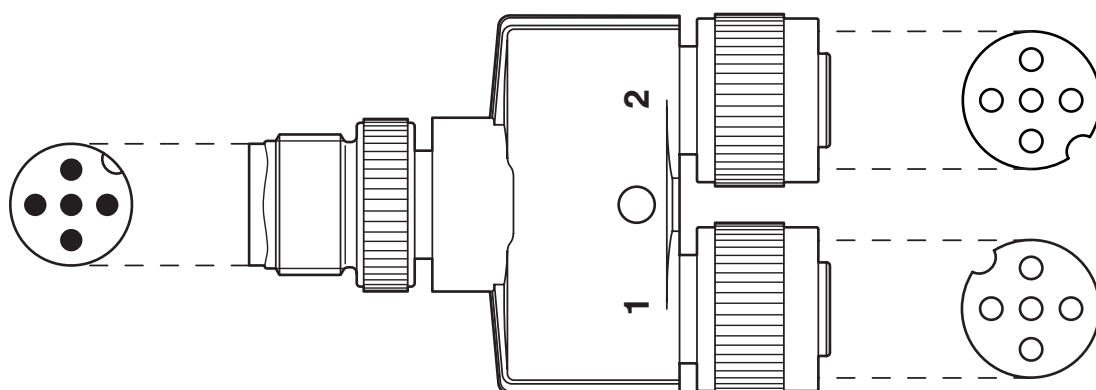
<https://www.phoenixcontact.com/us/products/1683468>

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

Schematic diagram

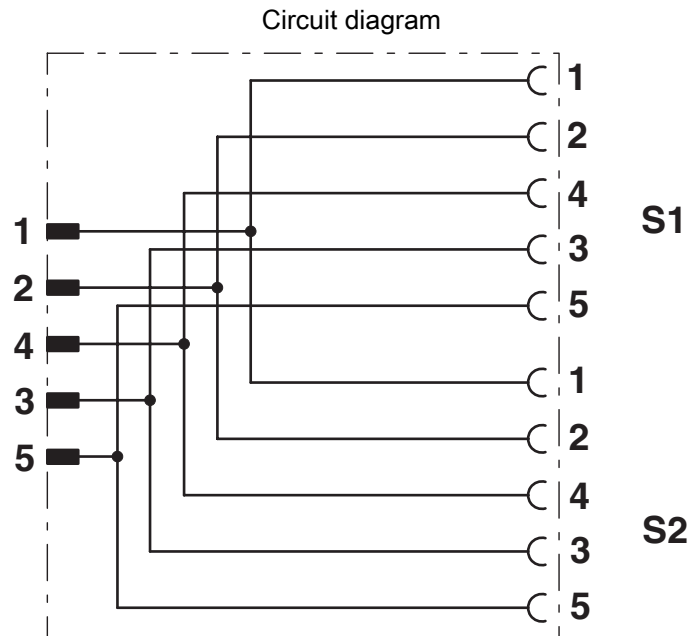


Layout of connector pin assignments

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Contact assignment of the M12 Y distributor

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1683468>



**EAC**

Approval ID: RU C-DE.AI30.B.01102



**UL Listed**

Approval ID: E221474

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	30 V	4 A	-	-



**cUL Listed**

Approval ID: E221474

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	30 V	4 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27440106
ECLASS-15.0	27440106

### ETIM

ETIM 10.0	EC002925
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### UNSPSC

UNSPSC 21.0	31251500
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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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### EF3.1 Climate Change

CO2e kg	1.042 kg CO2e
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