

# SAC-3P-M12Y/2XM 8FS - Y distributor



1683471

<https://www.phoenixcontact.com/us/products/1683471>

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Y distributor, 4-position, unshielded, Plug straight M12, coding: A, on Socket straight M8, coding: A and Socket straight M8, coding: A

## Commercial data

Item number	1683471
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GAB
GTIN	4017918166939
Weight per piece (including packing)	12.95 g
Weight per piece (excluding packing)	13.1 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Y-distributor
Number of positions	4
No. of cable outlets	2
Shielded	no
Coding	A
Thread type	M12 to M8

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

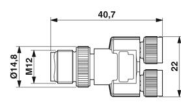
### Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	48 V AC
	60 V DC
Nominal current $I_N$	4 A

### Signaling

Status display	no
Status display present	no

### Dimensions

Dimensional drawing	
Width	22 mm
Height	14.8 mm
Length	40.7 mm
Center distance	12 mm

### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material for screw connection	Zinc die-cast, nickel-plated

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## Connector

### Connection 1

Type	Plug straight M12
Coding type	A

### Connection 2

Type	Socket straight M8
Coding type	A

### Connection 3

Type	Socket straight M8
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

### M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

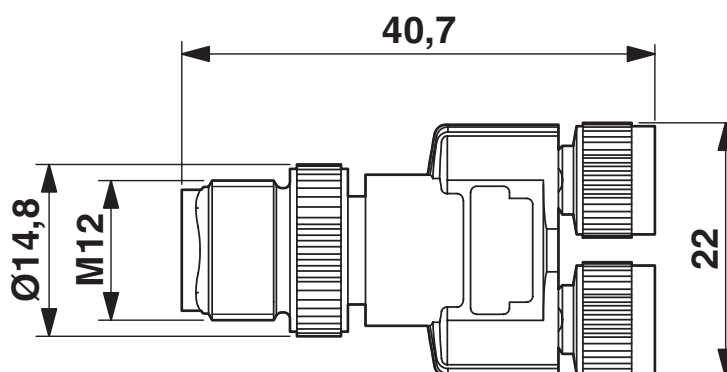
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## Drawings

Dimensional drawing



M12 Y distributor

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Schematic diagram



Pin assignment M12 plug, 4-pos., A-coded, view plug side

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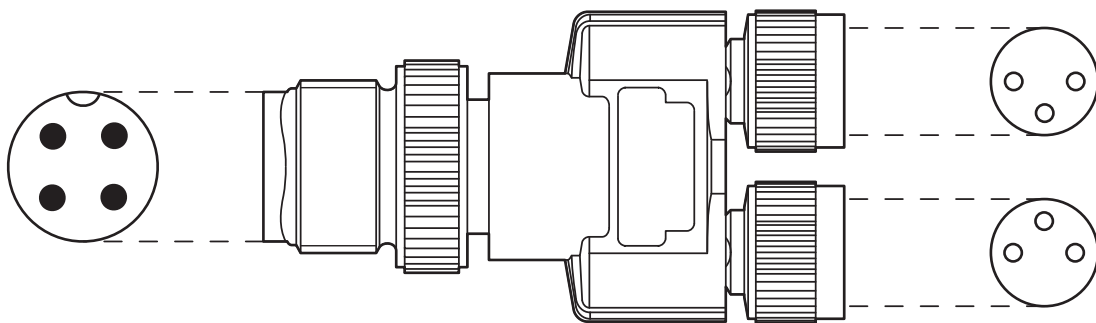
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Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

Schematic diagram



Layout of connector pin assignments

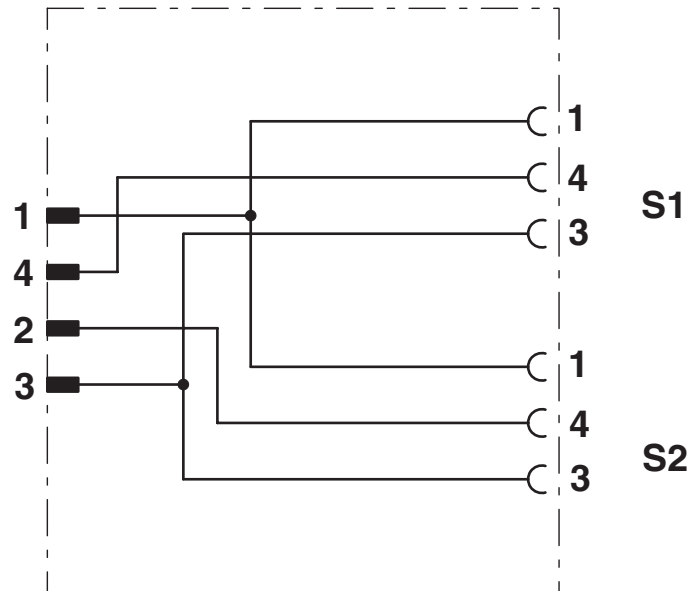
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Circuit diagram



Contact assignment of the M12/M8 Y distributor

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1683471>



**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	0.617 kg CO2e
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