

# SAC-8PY-M/2XF VP - Y distributor



1454972

<https://www.phoenixcontact.com/us/products/1454972>

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.



Y distributor, 8-position, Plug straight M12 SPEEDCON, coding: A, on Socket straight M12 SPEEDCON, coding: A and Socket straight M12 SPEEDCON, coding: A, Parallel distributor

## Commercial data

Item number	1454972
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	BF10
Product key	AF1GAC
GTIN	4046356577205
Weight per piece (including packing)	34.36 g
Weight per piece (excluding packing)	34.36 g
Customs tariff number	85366990
Country of origin	PL

# SAC-8PY-M/2XF VP - Y distributor



1454972

<https://www.phoenixcontact.com/us/products/1454972>

## Technical data

### Product properties

Product type	Y-distributor
Number of positions	8
No. of cable outlets	2
Shielded	no
Coding	A
Thread type	M12

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

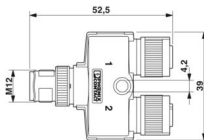
### Electrical properties

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

### Signaling

Status display	no
Status display present	no

### Dimensions

Dimensional drawing	
Width	39 mm
Height	16 mm
Length	52.5 mm
Center distance	21 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

## Connector

### Connection 1

Type	Plug straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

### Connection 2

Type	Socket straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

### Connection 3

Type	Socket straight M12 SPEEDCON
Locking type	SPEEDCON
Coding type	A

## Mechanical properties

### Mechanical data

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

## 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

# SAC-8PY-M/2XF VP - Y distributor

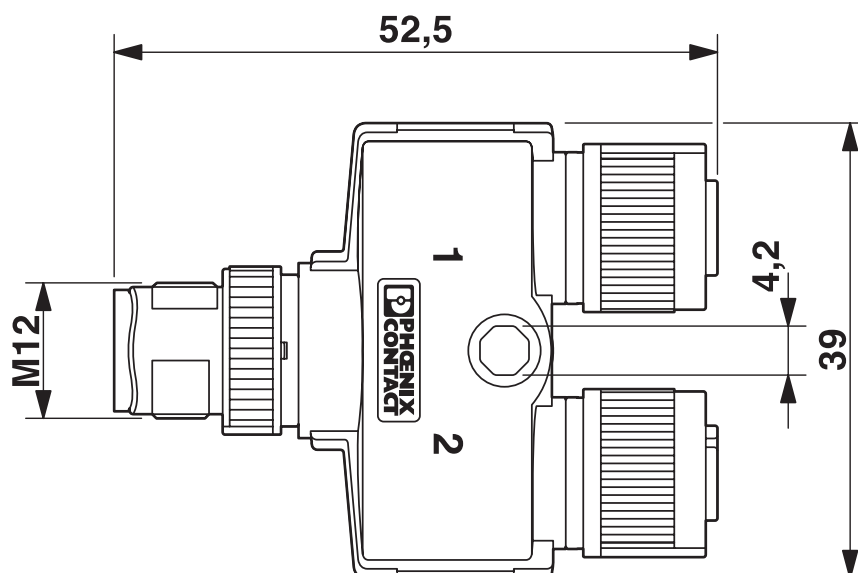
1454972

<https://www.phoenixcontact.com/us/products/1454972>



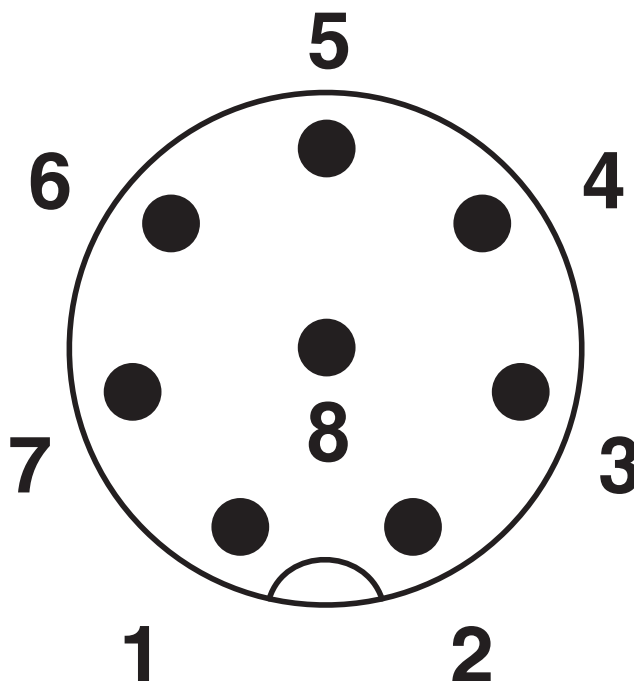
## Drawings

Dimensional drawing



M12 Y distributor

Schematic diagram



Pin assignment of M12 plug, 8-pos., A-coded, view of plug side

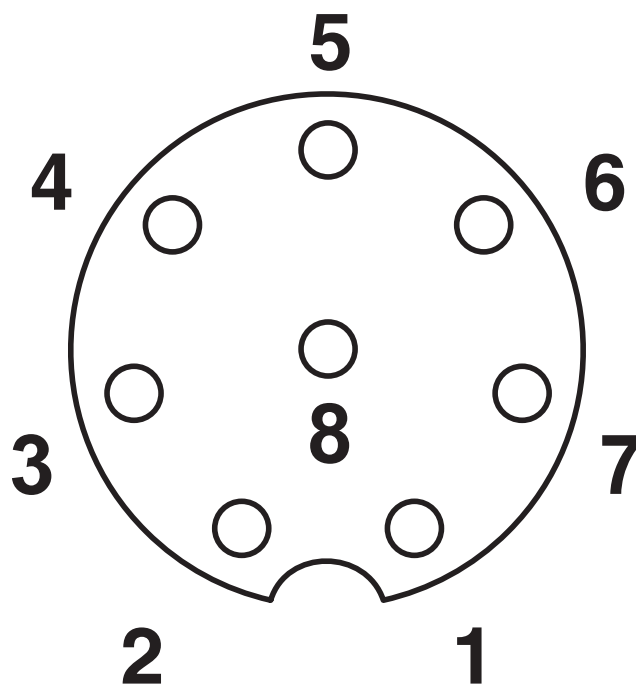
# SAC-8PY-M/2XF VP - Y distributor

1454972

<https://www.phoenixcontact.com/us/products/1454972>

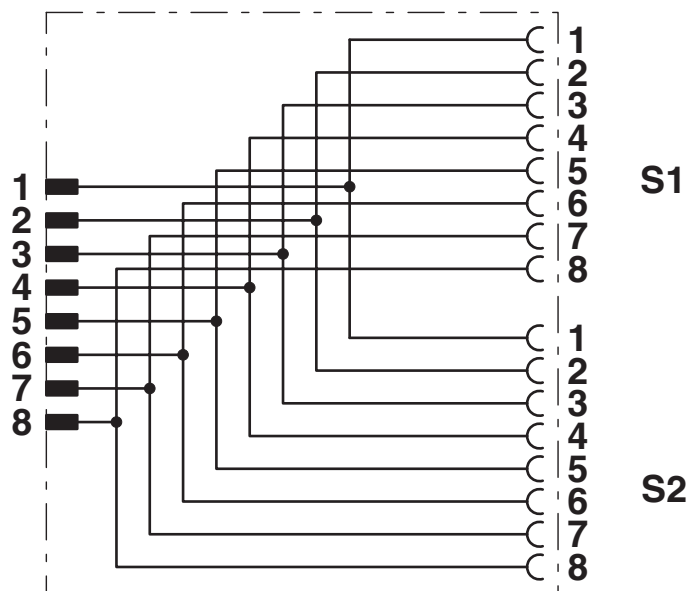


Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

Circuit diagram



Contact assignment of the M12 Y distributor

# SAC-8PY-M/2XF VP - Y distributor



1454972

<https://www.phoenixcontact.com/us/products/1454972>

## Classifications

### ECLASS

ECLASS-13.0	27440106
ECLASS-15.0	27440106

### ETIM

ETIM 9.0	EC002925
----------	----------

### UNSPSC

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

# SAC-8PY-M/2XF VP - Y distributor



1454972

<https://www.phoenixcontact.com/us/products/1454972>

## 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%
EF3.0 Climate Change	
CO2e kg	1.996 kg CO2e

Phoenix Contact 2025 © - 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)