

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

1454972

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



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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            |

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## 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                |

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## 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 |

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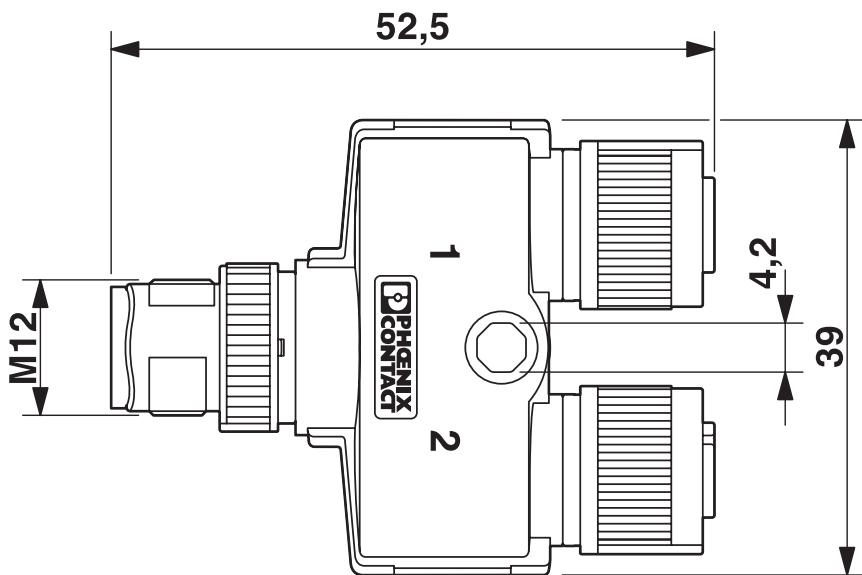


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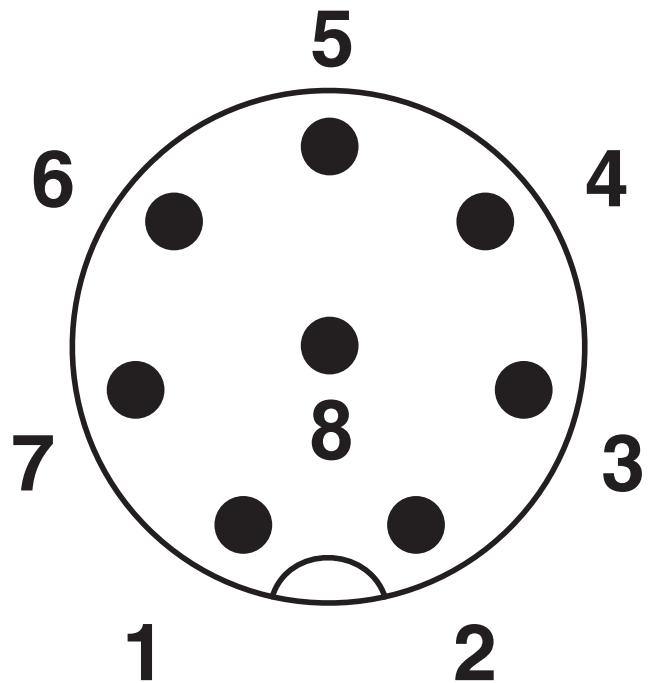
## Drawings

Dimensional drawing



M12 Y distributor

Schematic diagram



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

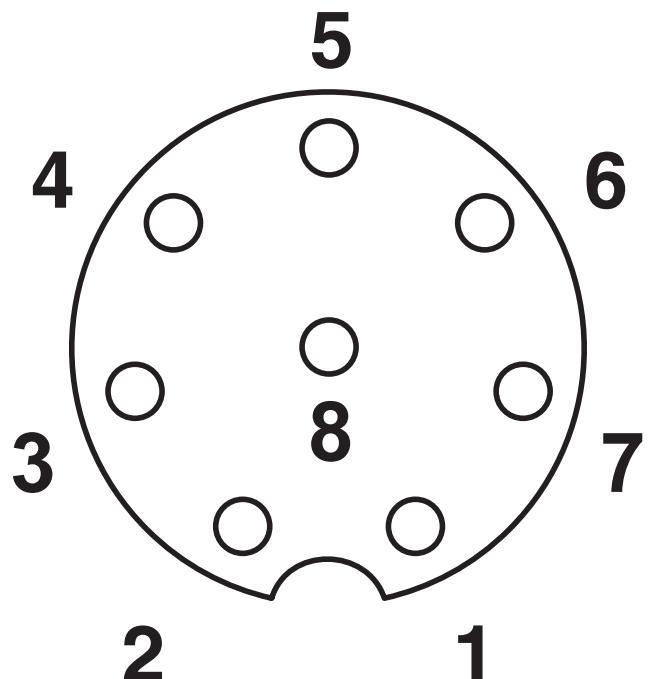
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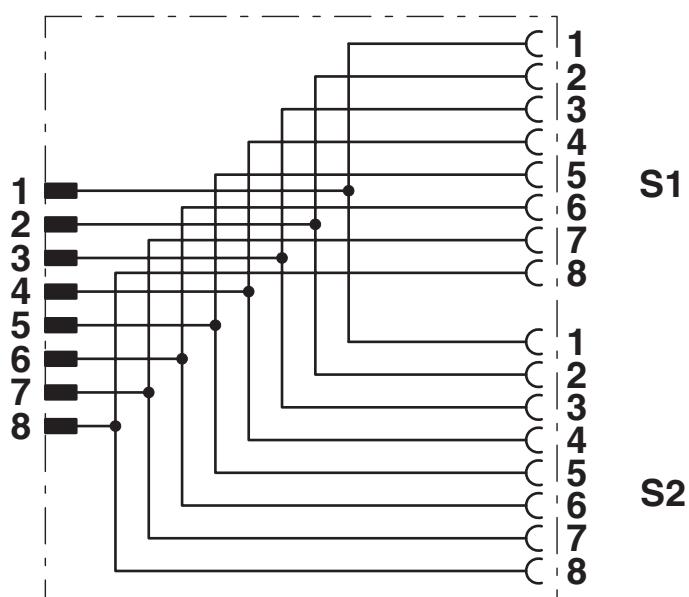


Schematic diagram



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

Circuit diagram



Contact assignment of the M12 Y distributor

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440106 |
| ECLASS-15.0 | 27440106 |

### ETIM

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

### UNSPSC

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

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## 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 |
|---------|---------------|

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Phoenix Contact USA

586 Fulling Mill Road

Middletown, PA 17057, United States

(+717) 944-1300

[info@phoenixcon.com](mailto:info@phoenixcon.com)