

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



1523984

<https://www.phoenixcontact.com/us/products/1523984>

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

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1523984       |
| Packing unit                         | 5 pc          |
| Minimum order quantity               | 5 pc          |
| Sales key                            | BF10          |
| Product key                          | AF1GAB        |
| GTIN                                 | 4046356115209 |
| Weight per piece (including packing) | 14.386 g      |
| Weight per piece (excluding packing) | 10.24 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  |

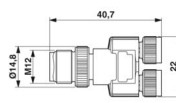
### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| 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 SPEEDCON |
| Locking type | SPEEDCON                   |
| 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 |
|-----------------------------|-------|

## 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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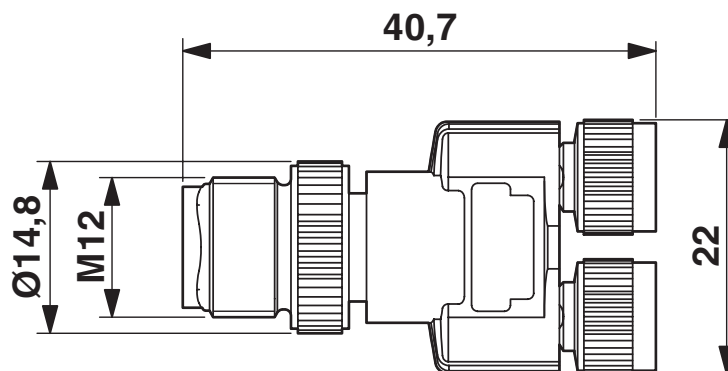
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## Drawings

Dimensional drawing



M12 Y distributor

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Schematic diagram



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

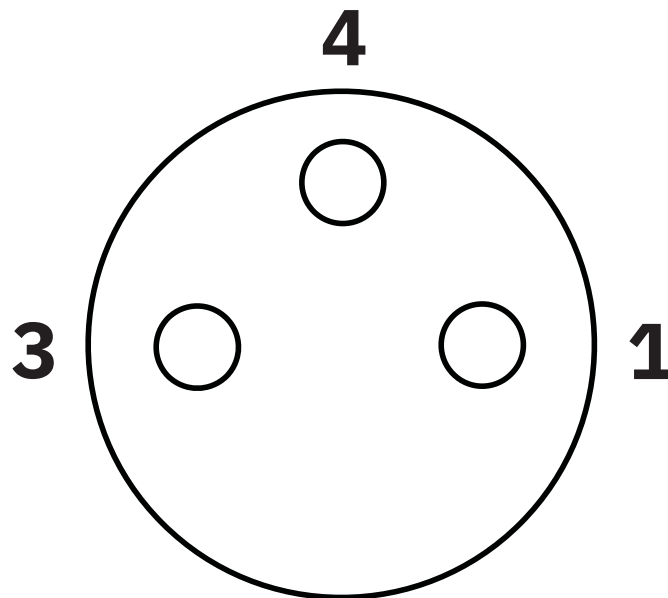
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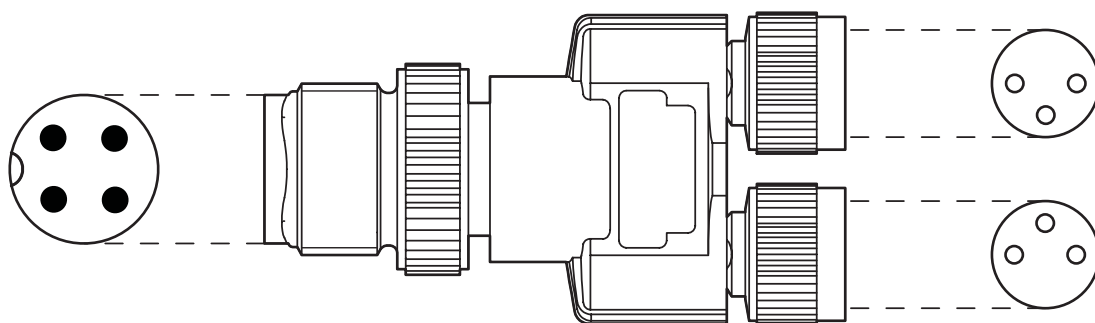


Schematic diagram



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

Schematic diagram



Layout of connector pin assignments

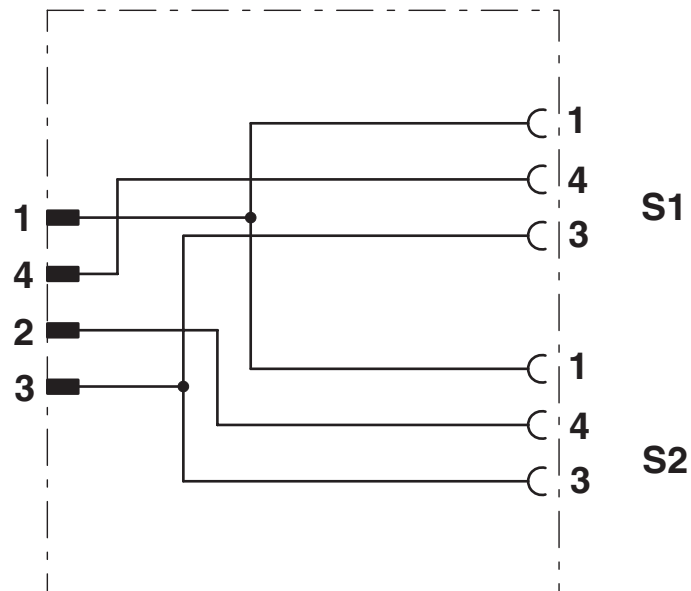
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Circuit diagram



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/1523984>

|                                                                                   |                                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------|
|  | <b>EAC</b><br>Approval ID: RU C-DE.AI30.B.01102 |
|-----------------------------------------------------------------------------------|-------------------------------------------------|

|                                                                                                                                        |                                |                                |                   |                               |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
| <div> <b>UL Listed</b><br/>Approval ID: E221474</div> |                                |                                |                   |                               |
|                                                                                                                                        | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                  |                                |                                |                   |                               |
|                                                                                                                                        | 30 V                           | 4 A                            | -                 | -                             |

|                                                                                                                                         |                                |                                |                   |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
| <div> <b>cUL Listed</b><br/>Approval ID: E221474</div> |                                |                                |                   |                               |
|                                                                                                                                         | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                                   |                                |                                |                   |                               |
|                                                                                                                                         | 30 V                           | 4 A                            | -                 | -                             |

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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                                 | 0.647 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)