

# SAC-3P-M12MS-M 8FS - Adapter



1519752

<https://www.phoenixcontact.com/ca/products/1519752>

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Adapter, 3-position, Plug straight M12, coding: A, on Socket straight M8, coding: A



## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1519752             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BF21                |
| Product key                          | BF1GBA              |
| Catalog page                         | Page 254 (C-2-2019) |
| GTIN                                 | 4046356019941       |
| Weight per piece (including packing) | 12.9 g              |
| Weight per piece (excluding packing) | 11.65 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|                      |                 |
|----------------------|-----------------|
| Product type         | M8/M12 adapters |
| Number of positions  | 3               |
| No. of cable outlets | 1               |
| Coding               | A               |

### 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               | 17 mm  |
| Height              | 14.8 mm  |
| Length              | 50.5 mm  |

### Material specifications

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

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|                     |   |
|---------------------|---|
| Number of positions | 3 |
| Coding type         | A |

## Connection 2

|                     |                    |
|---------------------|--------------------|
| Type                | Socket straight M8 |
| Number of positions | 3                  |
| 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) | -25 °C ... 90 °C |

## Standards and regulations

|                          |                 |
|--------------------------|-----------------|
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-101 |
| Standard designation     | M8 connector    |
| Standards/specifications | IEC 61076-2-104 |

# SAC-3P-M12MS-M 8FS - Adapter

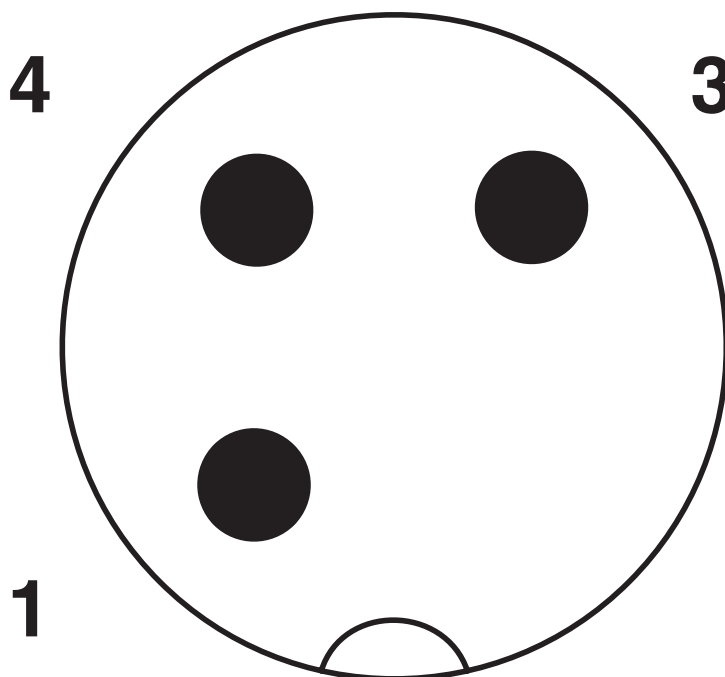
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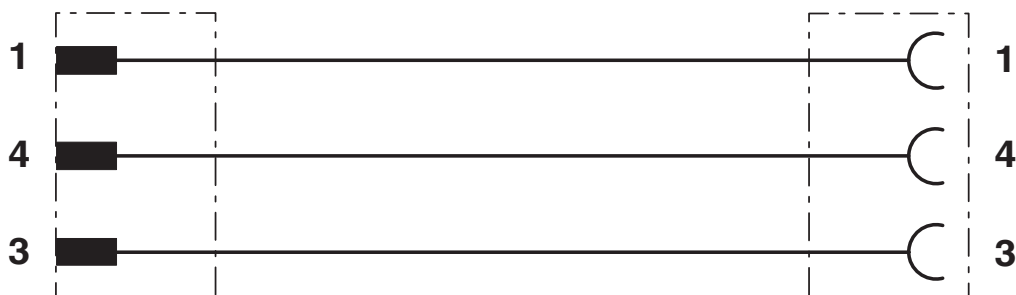
## Drawings

Schematic diagram



Pin assignment M12 plug, 3-pos., A-coded, view male side

Circuit diagram

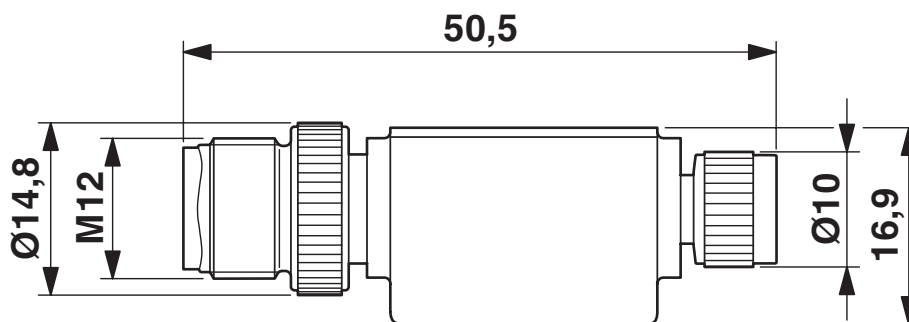


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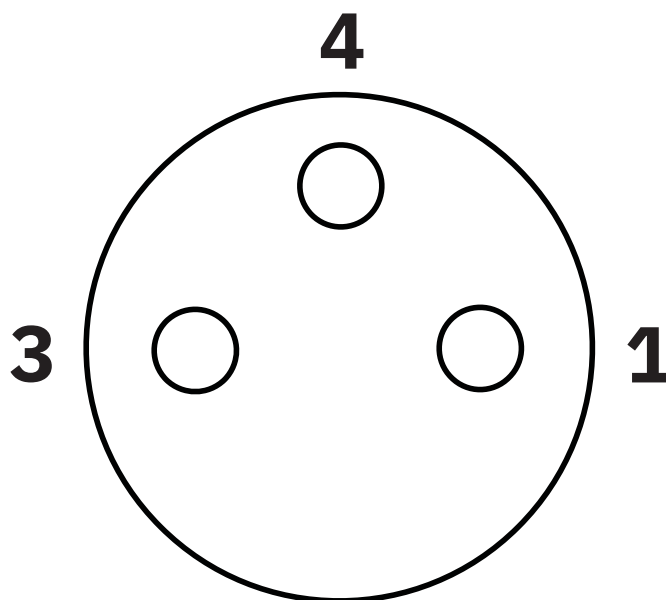
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Dimensional drawing



M8/M12 adapter

Schematic diagram



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

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## Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/1519752>




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



**EAC**  
Approval ID: EAC-Zulassung

|   |  |                       |                   |                             |
|---|--|-----------------------|-------------------|-----------------------------|
|  | <b>UL Listed</b><br>Approval ID: E221474 |                       |                   |                             |
|   | Nominal voltage $U_N$                    | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|   | 30 V                                     | 4 A                   | -                 | -                           |

|   |   |                       |                   |                             |
|---|---|-----------------------|-------------------|-----------------------------|
|  | <b>cUL Listed</b><br>Approval ID: E221474 |                       |                   |                             |
|   | Nominal voltage $U_N$                     | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|   | 30 V                                      | 4 A                   | -                 | -                           |

**cULus Listed**

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440106 |
| ECLASS-12.0 | 27440106 |
| ECLASS-13.0 | 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% |
|-------------------------------------|----------------------------|

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