

# SACB-4/ 4-L-C GG SCO - Distributor box header



1516726

<https://www.phoenixcontact.com/pc/products/1516726>

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Distributor box header, application: Standard, connection method: M12-SPEEDCON-socket Metal, number of slots: 4, number of positions: 4, coding: A, slot assignment: single, status display: Yes, pnp; master cable connection: Pluggable screw connection, shielding: no

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1516726             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | BF3CCD              |
| Catalog page                         | Page 265 (C-2-2019) |
| GTIN                                 | 4017918967451       |
| Weight per piece (including packing) | 195.5 g             |
| Weight per piece (excluding packing) | 192.5 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## Technical data

### Notes

|         |                                                                                                                                                                                                                                                      |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General | <b>NOTE:</b> Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties. |
| General | Unused slots are to be sealed off prior to commissioning. Suitable sealing elements are to be found under "Accessories".                                                                                                                             |

### Product properties

|                     |                                      |
|---------------------|--------------------------------------|
| Product type        | Header with metric measurement slots |
| Application         | Standard                             |
| Number of positions | 4                                    |
| Number of slots     | 4                                    |
| Coding              | A                                    |
| LED                 | yes                                  |

### System properties

|                        |                           |
|------------------------|---------------------------|
| Local diagnostics      |                           |
| Monitored function     | Supply voltage per module |
| Optical representation | Green LED                 |

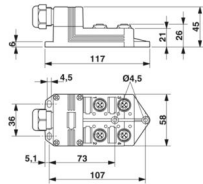
### Electrical properties

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| Max. operating voltage $U_{max}$        | 30 V DC                             |
| Local diagnostics                       | Supply voltage per module Green LED |
|                                         | Status display I/O Yellow LED       |
| Nominal voltage $U_N$                   | 24 V DC                             |
| Rated current, total                    | 10 A                                |
|                                         | 2x 8 A (For electrical isolation)   |
| Max. current carrying capacity per path | 2 A                                 |
| Current carrying capacity per slot      | 4 A                                 |

### Signaling

|                        |     |
|------------------------|-----|
| Status display present | Yes |
|------------------------|-----|

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 58 mm                                                                                |

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|        |        |
|--------|--------|
| Height | 26 mm  |
| Length | 117 mm |

## Material specifications

|                                                          |               |
|----------------------------------------------------------|---------------|
| Material Threaded sleeve                                 | Die-cast zinc |
| Material Housing                                         | PBT           |
| Material Molding compound                                | PUR           |
| Flammability rating according to UL 94                   | V0            |
| Seal material O-ring                                     | NBR           |
| Contact material                                         | Cu alloy      |
| Contact surface material                                 | gold-plated   |
| Contact carrier material                                 | PA            |
| Material of contact, master cable side                   | CU alloy      |
| Material of the contact carrier on the master cable side | PA 6.6 V0     |
| Material of contact surface, master cable side           | gold-plated   |

## Cable/line

|                   |                            |
|-------------------|----------------------------|
| Connection method | Pluggable screw connection |
|-------------------|----------------------------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP65             |
|                                 | IP67             |
|                                 | IP69K            |
| Ambient temperature (operation) | -30 °C ... 80 °C |

## Standards and regulations

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

# SACB-4/ 4-L-C GG SCO - Distributor box header

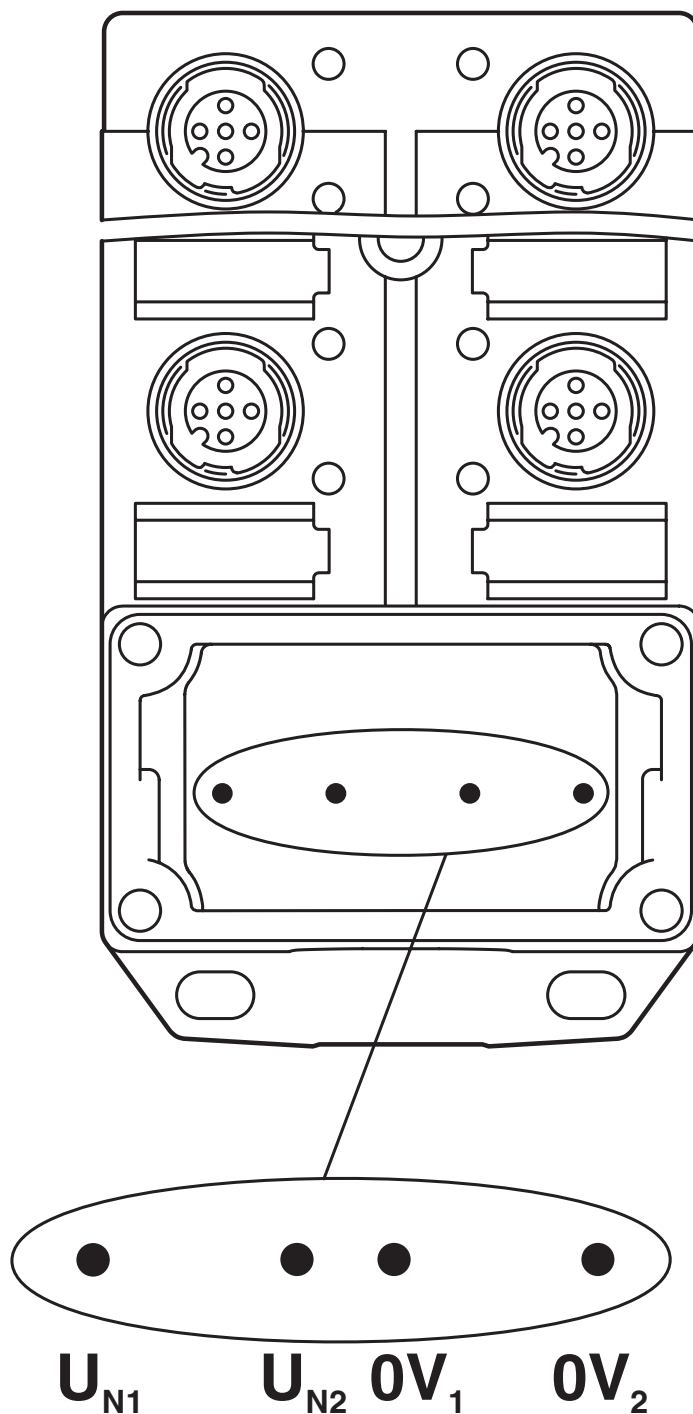
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## Drawings

Schematic diagram



Electrically isolated. Potential assignment:  $U_{N1}$  = slots 1,3 and  $U_{N2}$  = slots 2,4.

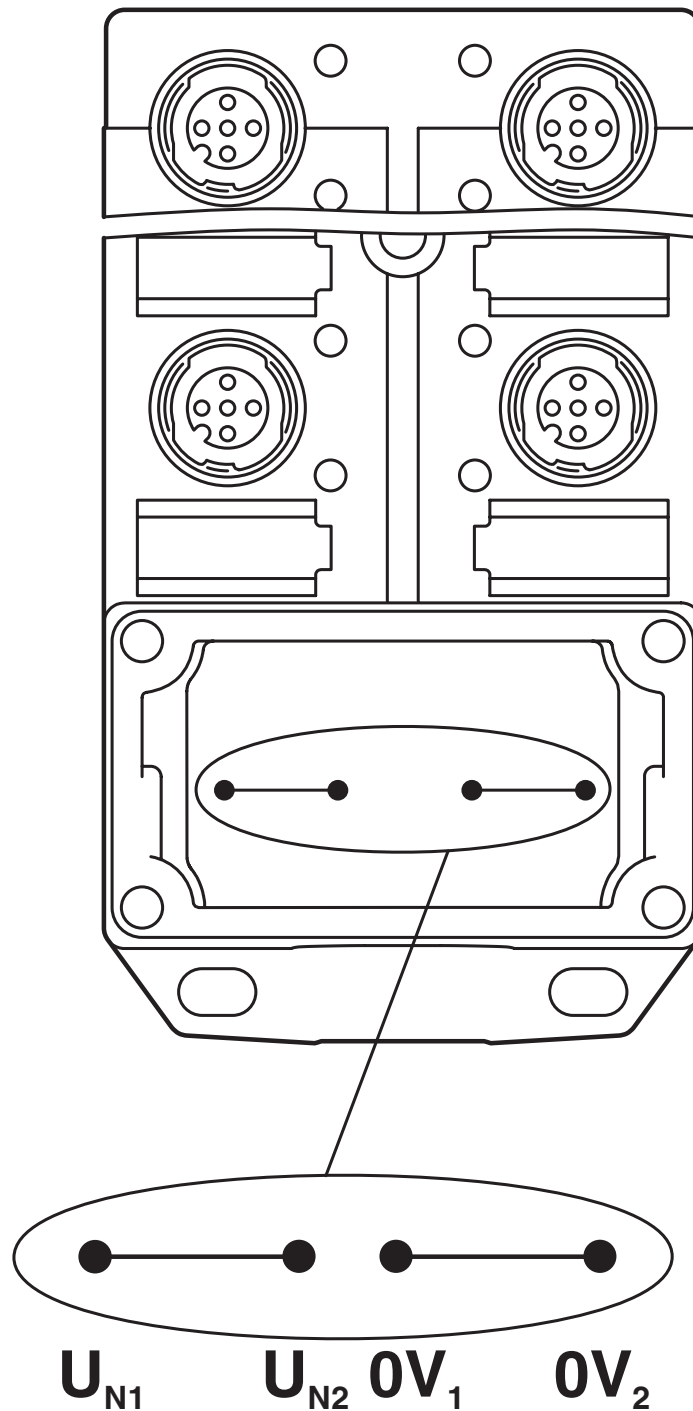
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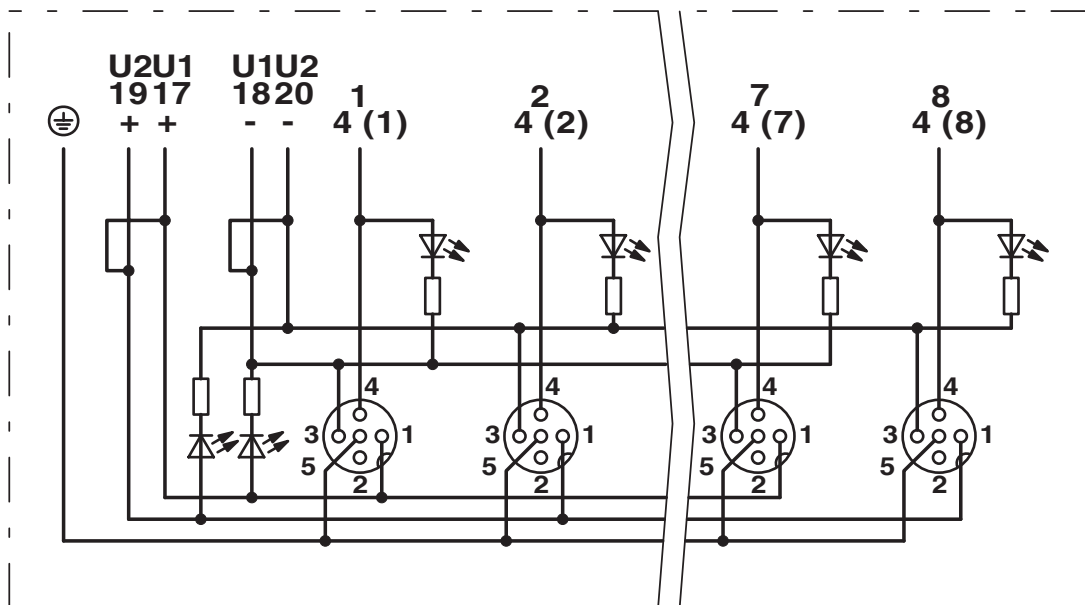


Schematic diagram

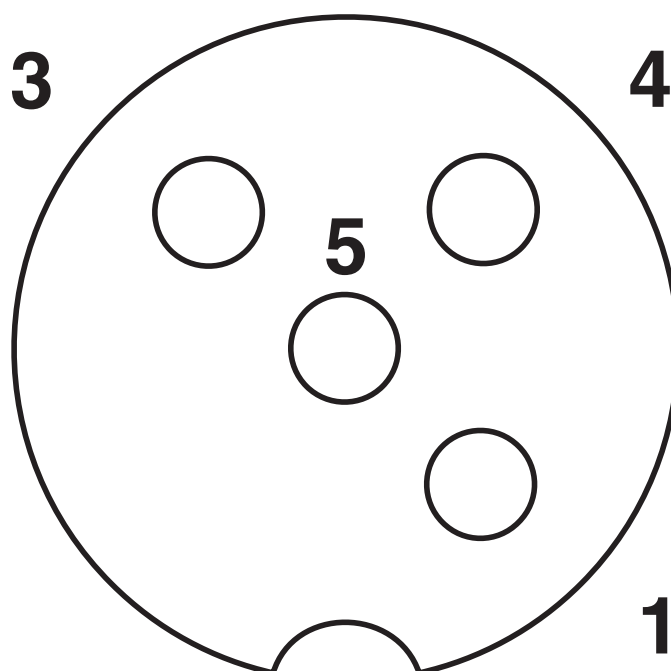


Potential  $U_{N1}$  and  $U_{N2}$  bridged. Potential assignment:  $U_{N1} = U_{N2} = \text{slots } 1,2,3,4$ .

Circuit diagram



Schematic diagram

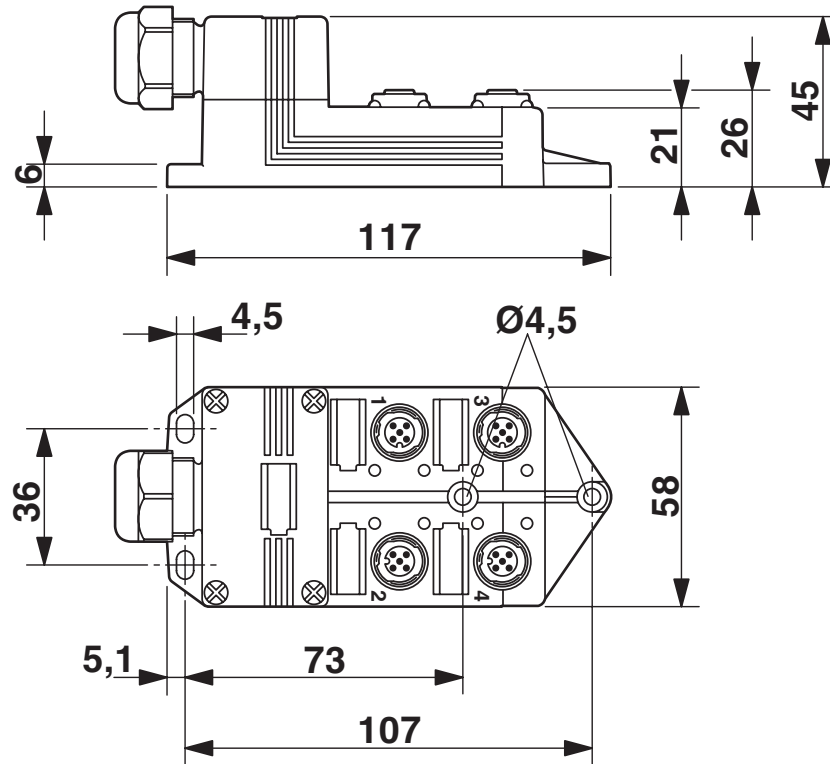


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Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1516726>

|                                                                                                                                       |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Recognized</b><br>Approval ID: FILE E 118976 |                       |                       |                   |                             |
|                                                                                                                                       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                       | 24 V                  | 3 A                   | -                 | -                           |

|                                                                                                                                      |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Recognized</b><br>Approval ID: FILE E 118976 |                       |                       |                   |                             |
|                                                                                                                                      | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                                                                                                                                      | 24 V                  | 3 A                   | -                 | -                           |

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440111 |
| ECLASS-12.0 | 27440111 |
| ECLASS-13.0 | 27440111 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003558 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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