# SACB-4/ 8-L-C GG SCO - Distributor box header

1516739

https://www.phoenixcontact.com/us/products/1516739

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Distributor box header, application: Standard, extended requirements, connection method: M12 socket Metal, number of slots: 4, number of positions: 5, coding: A, slot assignment: Double, status display: yes, PNP; master cable connection: Pluggable screw connection, shielding: no

## Commercial data

| | |
|---|---|
| Item number | 1516739 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF42 |
| Product key | AF3CCD |
| GTIN | 4017918967468 |
| Weight per piece (including packing) | 197.6 g |
| Weight per piece (excluding packing) | 175.5 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Assembly note | NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties. |
| Note on application | 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, extended requirements |
| Number of positions | 5 |
| Number of slots | 4 |
| Coding | A |
| LED | yes |

### System properties

Local diagnostics

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

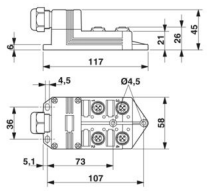
### Electrical properties

| | |
|---|---|
| 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 |

| | |
|---|---|
| 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 |
| Material grommet GRP | 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

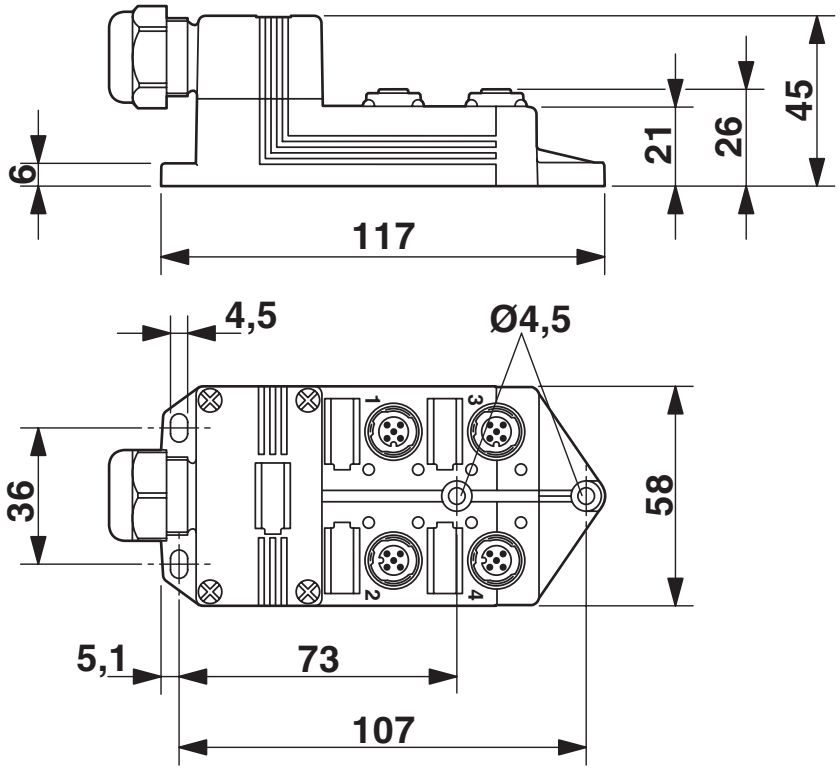
| | |
|---|---|
| Degree of protection | IP65 |
| | IP67 |
| | IP69K |
| Ambient temperature (operation) | -30 °C ... 80 °C |

## Standards and regulations

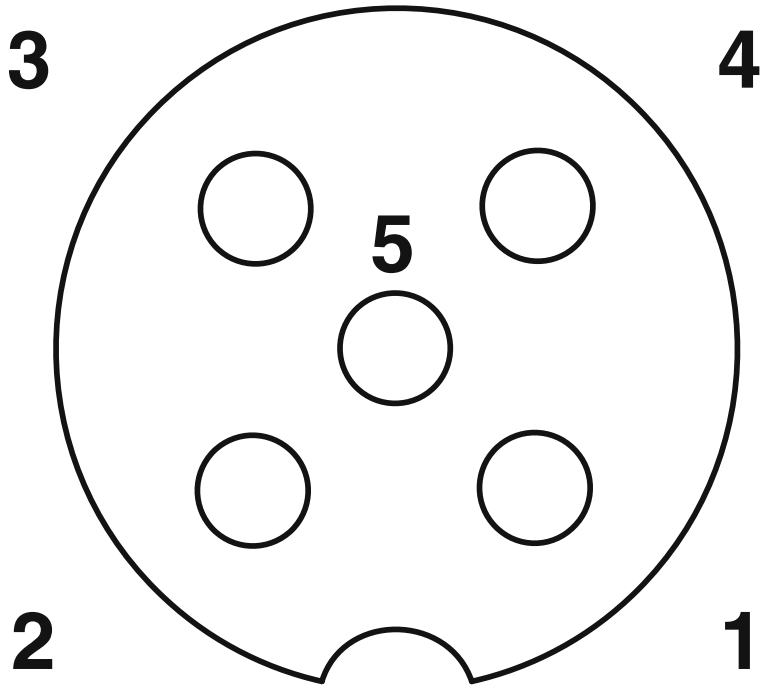
| | |
|---|---|
| Standard designation | M12 connector |
| Standards/specifications | IEC 61076-2-101 |

## Drawings

Dimensional drawing

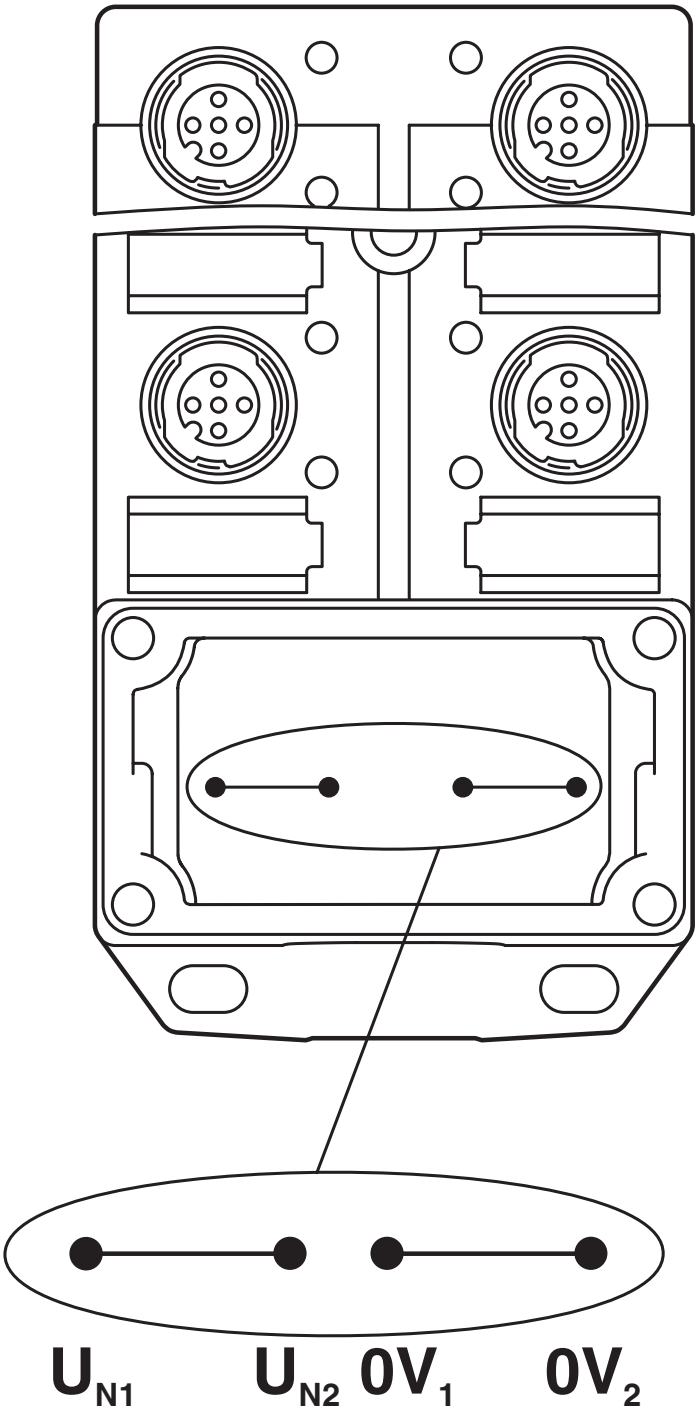



Schematic diagram



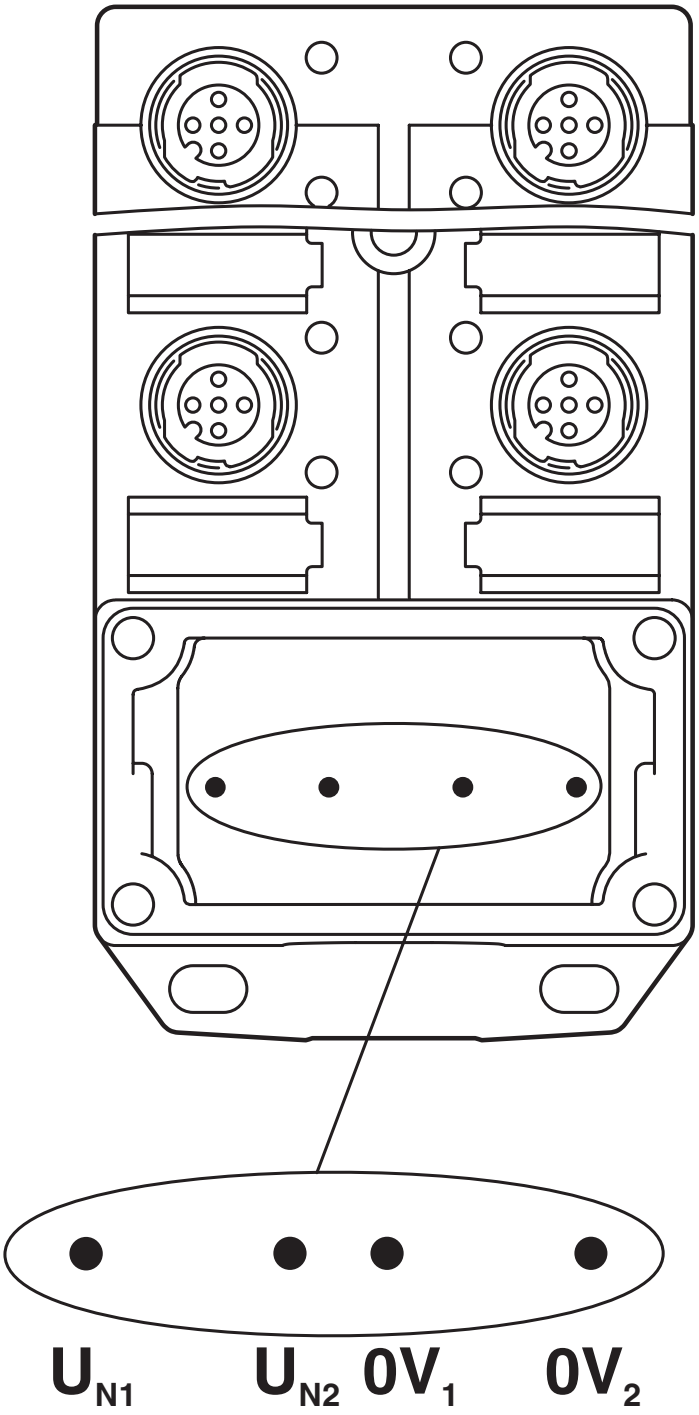

M12 slot, socket, 5-pos.

Schematic diagram



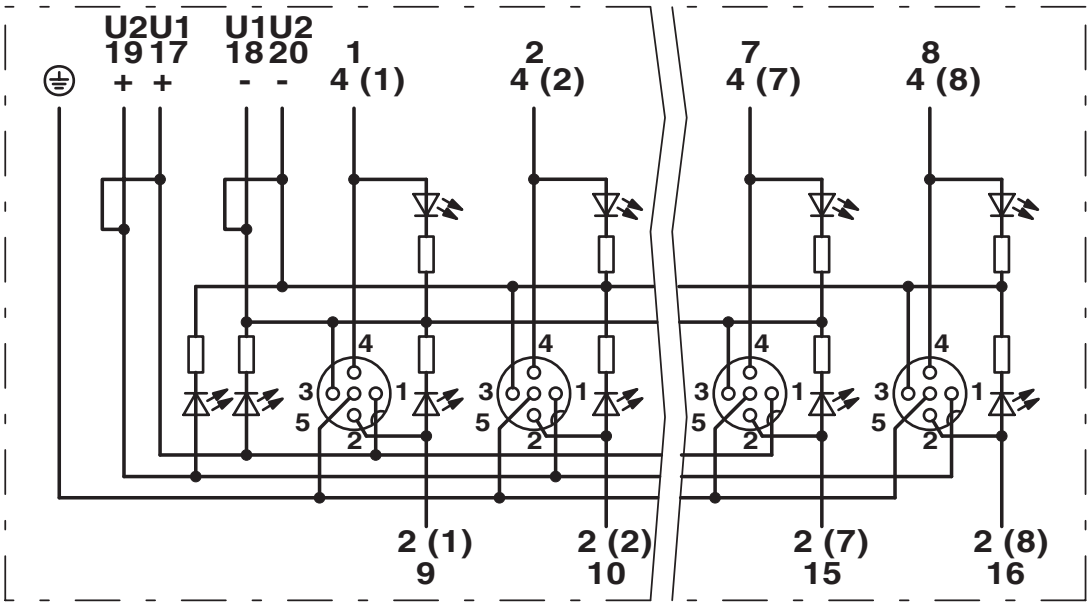

Potential $U_{N1}$ and $U_{N2}$ bridged. Potential assignment: $U_{N1}$ = $U_{N2}$ = slots 1,2,3,4.

Schematic diagram




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

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1516739

**cUL Recognized**
Approval ID: E118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 24 V | 3 A | - | - |

**UL Recognized**
Approval ID: E118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 24 V | 3 A | - | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440111 |
| ECLASS-15.0 | 27440111 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003558 |

### UNSPSC

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

## 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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