# Connection terminal block - AKG 16 BU - 0423014

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Connection terminal block, Connection method Screw connection, Load current : 76 A, Cross section: 1.5 mm² - 16 mm², Width: 9.8 mm, Color: blue

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Minimum order quantity | 50 pc |
| GTIN | 4 017918 001995 |
| Weight per Piece (excluding packing) | 10.52 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

## Technical data

### General

| | |
|---|---|
| Color | blue |
| Insulating material | PA |
| Nominal cross section | 16 mm² |
| Flammability rating according to UL 94 | V2 |
| Maximum load current | 76 A (with 16 mm² conductor cross section) |
| Nominal current $I_N$ | 76 A |
| Maximum load current | 76 A (with 16 mm² conductor cross section) |
| Nominal voltage $U_N$ | 300 V |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed |
| Result of bending test | Test passed |
| Bending test rotation speed | 10 rpm |

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## Technical data

### General

| | |
|---|---|
| Bending test turns | 135 |
| Bending test conductor cross section/weight | 1.5 mm² / 0.4 kg |
| | 16 mm² / 2.9 kg |
| Tensile test result | Test passed |
| Conductor cross section tensile test | 1.5 mm² |
| Tractive force setpoint | 40 N |
| Conductor cross section tensile test | 16 mm² |
| Tractive force setpoint | 100 N |
| Result of voltage-drop test | Test passed |
| Requirements, voltage drop | ≤ 3.2 mV |
| Result of temperature-rise test | Test passed |
| Short circuit stability result | Test passed |
| Conductor cross section short circuit testing | 16 mm² |
| Short-time current | 1.92 kA |
| Relative insulation material temperature index (Elec., UL 746 B) | 125 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |

### Dimensions

| | |
|---|---|
| Length | 23.7 mm |
| Width | 9.8 mm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 1.5 mm² |
| Conductor cross section solid max. | 16 mm² |
| Conductor cross section flexible min. | 1.5 mm² |
| Conductor cross section flexible max. | 16 mm² |
| Conductor cross section AWG min. | 16 |
| Conductor cross section AWG max. | 6 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 1.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 1.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 16 mm² |
| 2 conductors with same cross section, solid min. | 1.5 mm² |
| 2 conductors with same cross section, solid max. | 6 mm² |
| 2 conductors with same cross section, stranded min. | 1.5 mm² |
| 2 conductors with same cross section, stranded max. | 6 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 1.5 mm² |

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## Technical data

### Connection data

| | |
|---|---|
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 6 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 1.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm² |
| Connection method | Screw connection |
| Stripping length | 16 mm |
| Screw thread | M5 |
| Tightening torque, min | 2.5 Nm |
| Tightening torque max | 3 Nm |

### Standards and Regulations

| | |
|---|---|
| Connection in acc. with standard | CSA |
| Flammability rating according to UL 94 | V2 |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 27141131 |
| eCl@ss 4.1 | 27141131 |
| eCl@ss 5.0 | 27141131 |
| eCl@ss 5.1 | 27141131 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141146 |
| eCl@ss 9.0 | 27141120 |

### ETIM

| | |
|---|---|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000001 |

### UNSPSC

| | |
|---|---|
| UNSPSC 6.01 | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11 | 39121410 |
| UNSPSC 12.01 | 39121410 |

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## Classifications

### UNSPSC

| | |
|---|---|
| UNSPSC 13.2 | 39121410 |

## Approvals

### Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

### Approval details

CSA

| | |
|---|---|
| mm²/AWG/kcmil | 18-6 |
| Nominal current IN | 65 A |

UL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 18-6 | 18-6 |
| Nominal current IN | 50 A | 50 A |
| Nominal voltage UN | 250 V | 300 V |

cUL Recognized

| | B | C |
|---|---|---|
| mm²/AWG/kcmil | 18-6 | 18-6 |
| Nominal current IN | 50 A | 50 A |

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## Approvals

| | B | C |
|---|---|---|
| Nominal voltage UN | 250 V | 300 V |

EAC

EAC

cULus Recognized

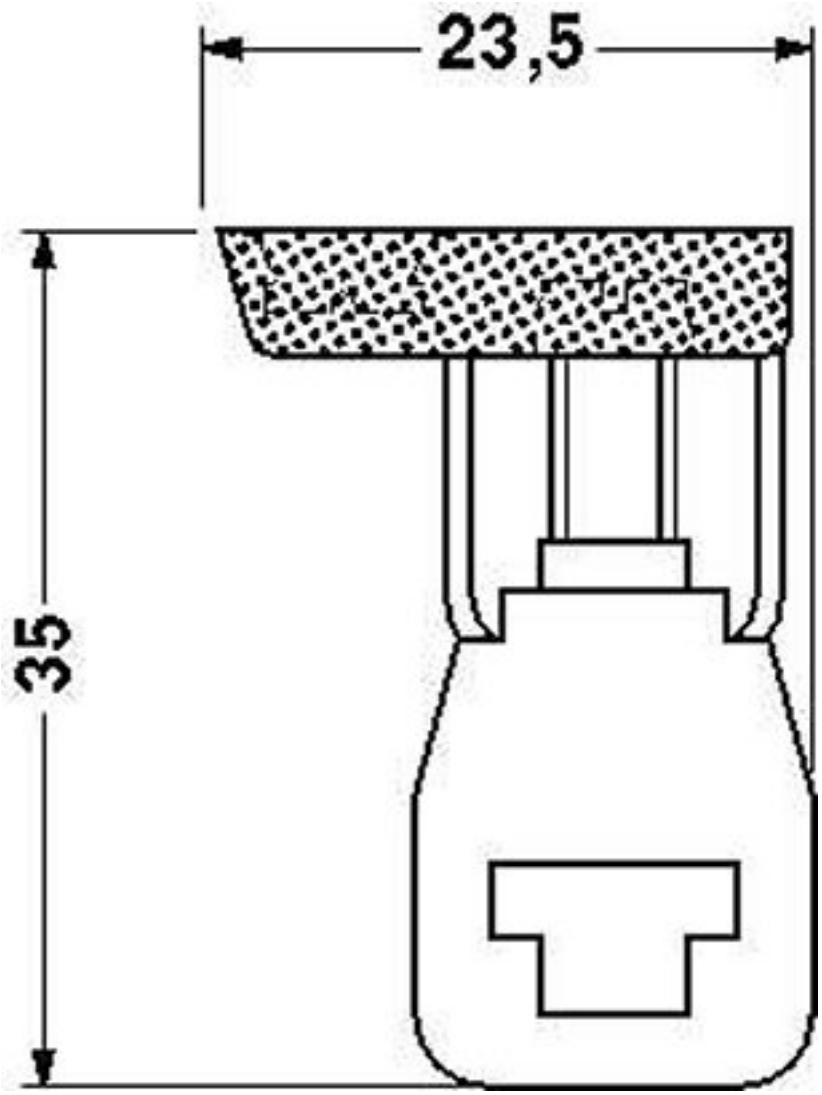
## Drawings

# Connection terminal block - AKG 16 BU - 0423014

Circuit diagram



Dimensional drawing



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Dimensional drawing