

# AKG 4 RD - Connection terminal block



3062922

<https://www.phoenixcontact.com/us/products/3062922>

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Connection terminal block, nom. voltage: 300 V, nominal current: 41 A, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting: Neutral busbar, color: red

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3062922       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE73          |
| Product key                          | BE7331        |
| GTIN                                 | 4046356558334 |
| Weight per piece (including packing) | 5.49 g        |
| Weight per piece (excluding packing) | 5.469 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | IN            |

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## Technical data

### Product properties

|                       |                             |
|-----------------------|-----------------------------|
| Product type          | Installation terminal block |
| Number of connections | 1                           |
| Number of rows        | 1                           |

### Electrical properties

|                                                 |        |
|-------------------------------------------------|--------|
| Maximum load current                            | 41 A   |
| Maximum power dissipation for nominal condition | 1.02 W |
| Nominal current $I_N$                           | 32 A   |
| Current carrying capacity of the neutral busbar | 140 A  |

### Connection data

|                       |                   |
|-----------------------|-------------------|
| Nominal cross section | 4 mm <sup>2</sup> |
| Maximum load current  | 41 A              |

#### Level 1 above 1 below 1

|                                                                                           |                                                       |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Connection method                                                                         | Screw connection                                      |
| Screw thread                                                                              | M4                                                    |
| Tightening torque                                                                         | 1.5 ... 1.8 Nm                                        |
| Stripping length                                                                          | 16 mm                                                 |
| Conductor cross-section rigid                                                             | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>             |
| Cross section AWG                                                                         | 20 ... 10 (converted acc. to IEC)                     |
| Conductor cross-section flexible                                                          | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>             |
| Conductor cross-section, flexible [AWG]                                                   | 20 ... 12 (converted acc. to IEC)                     |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>             |
| Flexible conductor cross-section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>             |
| 2 conductors with same cross section, rigid                                               | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| 2 conductors with same cross section, flexible                                            | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>           |
| Nominal cross section                                                                     | 4 mm <sup>2</sup>                                     |
| Nominal current                                                                           | 41 A                                                  |
| Maximum load current                                                                      | 41 A (with 6 mm <sup>2</sup> conductor cross-section) |
| Nominal voltage                                                                           | 300 V                                                 |

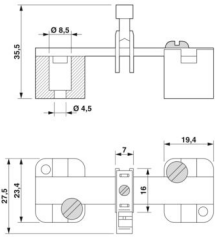
### Dimensions

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|                     |                                                                                    |
|---------------------|------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 7 mm                                                                               |
| Height              | 23.7 mm                                                                            |
| Depth               | 23.6 mm                                                                            |
| Length              | 23.7 mm                                                                            |

## Material specifications

|                                                                         |                |
|-------------------------------------------------------------------------|----------------|
| Color                                                                   | red (RAL 3001) |
| Flammability rating according to UL 94                                  | V2             |
| Insulating material                                                     | PA             |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C         |
| Relative insulation material temperature index (Elec., UL 746 B)        | 125 °C         |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 2    |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 2    |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 2    |

## Electrical tests

### Temperature-rise test

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Requirement temperature-rise test | Increase in temperature $\leq 45$ K |
| Result                            | Test passed                         |
| Result                            | Test passed                         |

## Mounting

|               |                |
|---------------|----------------|
| Mounting type | Neutral busbar |
|---------------|----------------|

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## Drawings

Dimensional drawing



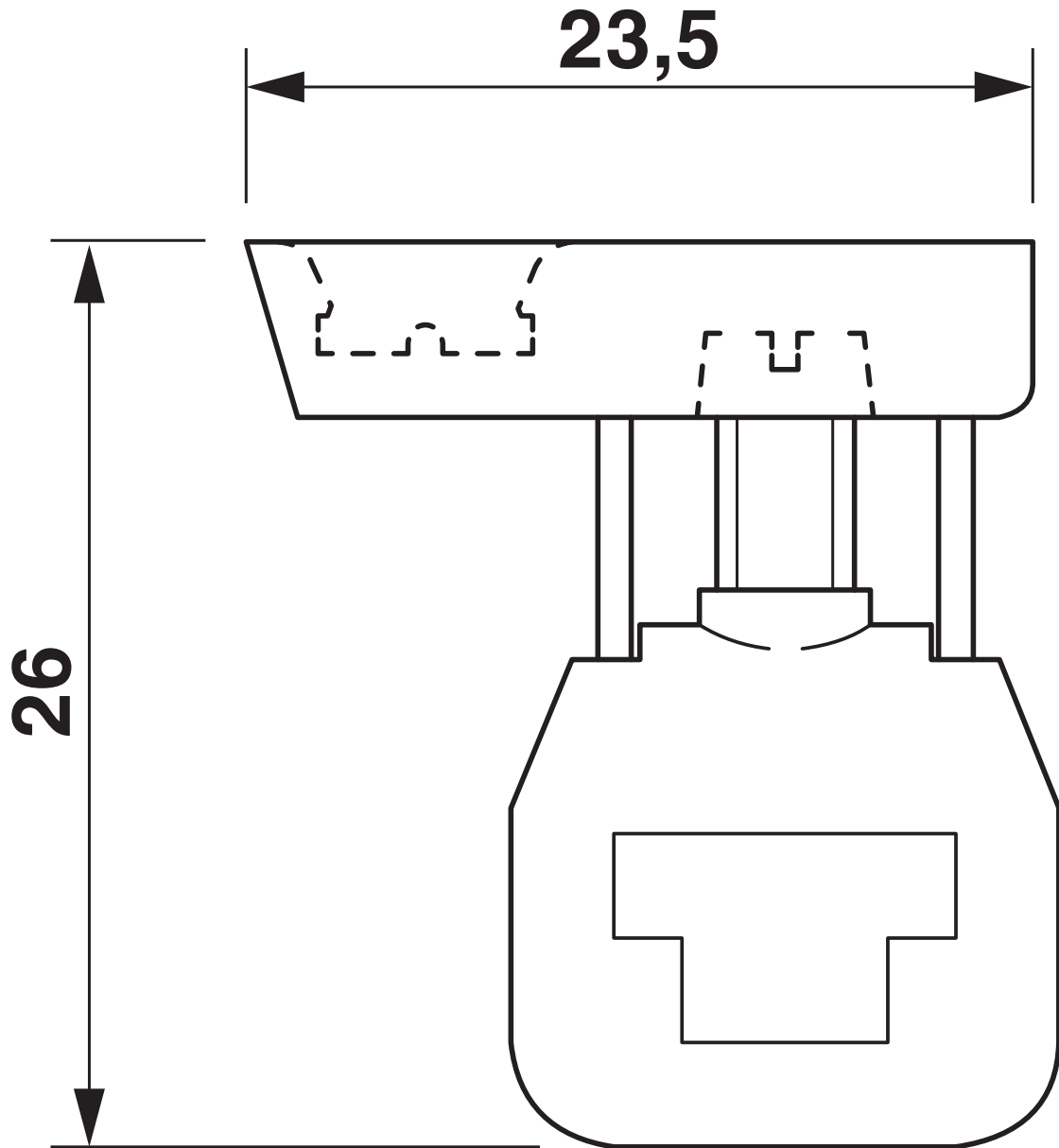
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Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3062922>

|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                      |
|--------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|----------------------|
|                                                                                                                    | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
| keine                                                                                                              |                       |                       |                   |                      |
|                                                                                                                    | -                     | 20 A                  | 22 - 12           | -                    |

|  <b>EAC</b><br>Approval ID: KZ7500651131219505 |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|
|---------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                      |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|----------------------|
|                                                                                                                                  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
| <b>B</b>                                                                                                                         |                       |                       |                   |                      |
| Field wiring                                                                                                                     | -                     | 20 A                  | 22 - 12           | -                    |
| Factory wiring                                                                                                                   | -                     | 30 A                  | - 10              | -                    |
| <b>C</b>                                                                                                                         |                       |                       |                   |                      |
| Field wiring                                                                                                                     | -                     | 20 A                  | 22 - 12           | -                    |
| Factory wiring                                                                                                                   | -                     | 30 A                  | - 10              | -                    |
| <b>F</b>                                                                                                                         |                       |                       |                   |                      |
| Field wiring                                                                                                                     | -                     | 20 A                  | 22 - 12           | -                    |
| Factory wiring                                                                                                                   | -                     | 30 A                  | - 10              | -                    |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250116 |
| ECLASS-15.0 | 27250116 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000001 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31162900 |
|-------------|----------|

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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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