

# UKK 5-HESILED 24 (5X20) 1MA - Fuse modular terminal block



3049000

<https://www.phoenixcontact.com/sg/products/3049000>

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 24 V, nominal current: 6.3 A, connection method: Screw connection, cross section: 0.2 mm<sup>2</sup>- 4 mm<sup>2</sup>, Rated cross section: 1.5 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, NS 32, color: black

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3049000       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | *****         |
| Product key                          | BE1234        |
| GTIN                                 | 4046356090858 |
| Weight per piece (including packing) | 35.34 g       |
| Weight per piece (excluding packing) | 35.34 g       |
| Customs tariff number                | 85369095      |
| Country of origin                    | PL            |

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## Technical data

### Notes

|                        |  |
|------------------------|--|
| Note regarding marking | For terminal marking, please use marking material with 8.2 mm pitch.   |
| Note regarding marking | For lever marking, please use flat marking material with 8.2 mm pitch. |

### Product properties

|                       |                     |
|-----------------------|---------------------|
| Product type          | Fuse terminal block |
| Number of connections | 4                   |
| Number of rows        | 2                   |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Electrical properties

|   |                        |
|---|------------------------|
| Fuse type                                       | Glass / ceramics / ... |
| Rated surge voltage                             | 6 kV                   |
| Maximum power dissipation for nominal condition | 1.02 W                 |
| Fuse  | G / 5 x 20             |

### Connection data

|                                 |                   |
|---------------------------------|-------------------|
| Number of connections per level | 2                 |
| Nominal cross section           | 4 mm <sup>2</sup> |

### Level 1 above 1 below 1

|   |  |
|---|--|
| Screw thread  | M3   |
| Tightening torque   | 0.5 ... 0.8 Nm                               |
| Stripping length  | 8 mm   |
| Internal cylindrical gage   | A4   |
| Connection in acc. with standard  | IEC 60947-7-3                                |
| Conductor cross section rigid   | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>    |
| Cross section AWG   | 24 ... 12 (converted acc. to IEC)            |
| Conductor cross section flexible  | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>    |
| Conductor cross section, flexible [AWG]   | 24 ... 12 (converted acc. to IEC)            |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| 2 conductors with same cross section, solid   | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>  |

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|                       |                     |
|-----------------------|---------------------|
| Nominal current       | 6.3 A               |
| Nominal voltage       | 24 V                |
| Nominal current       | 10 A                |
| Maximum load current  | 10 A                |
| Nominal voltage       | 400 V               |
| Nominal cross section | 1.5 mm <sup>2</sup> |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 8.2 mm  |
| Height             | 86.5 mm |
| Depth on NS 32     | 84 mm   |
| Depth on NS 35/7,5 | 79 mm   |
| Depth on NS 35/15  | 86.5 mm |

## Material specifications

|   |                  |
|---|------------------|
| Color   | black (RAL 9005) |
| Flammability rating according to UL 94                                  | V0               |
| Insulating material group   | I                |
| Insulating material   | PA               |
| Static insulating material application in cold                          | -60 °C           |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C           |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C           |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3      |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 3      |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 3      |
| Fire protection for rail vehicles (DIN EN 45545-2) R26                  | HL 1 - HL 3      |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg         |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed           |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed           |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed           |

## Mechanical properties

### Mechanical data

|                 |    |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

## Environmental and real-life conditions

### Ambient conditions

|   |  |
|---|--|
| Ambient temperature (operation)         | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)  |
| Ambient temperature (assembly)          | -5 °C ... 70 °C  |

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|  |                 |
|--|-----------------|
| Ambient temperature (actuation)          | -5 °C ... 70 °C |
| Permissible humidity (operation)         | 20 % ... 90 %   |
| Permissible humidity (storage/transport) | 30 % ... 70 %   |

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-3 |
|----------------------------------|---------------|

## Mounting

|               |           |
|---------------|-----------|
| Mounting type | NS 35/7,5 |
|               | NS 35/15  |
|               | NS 32     |

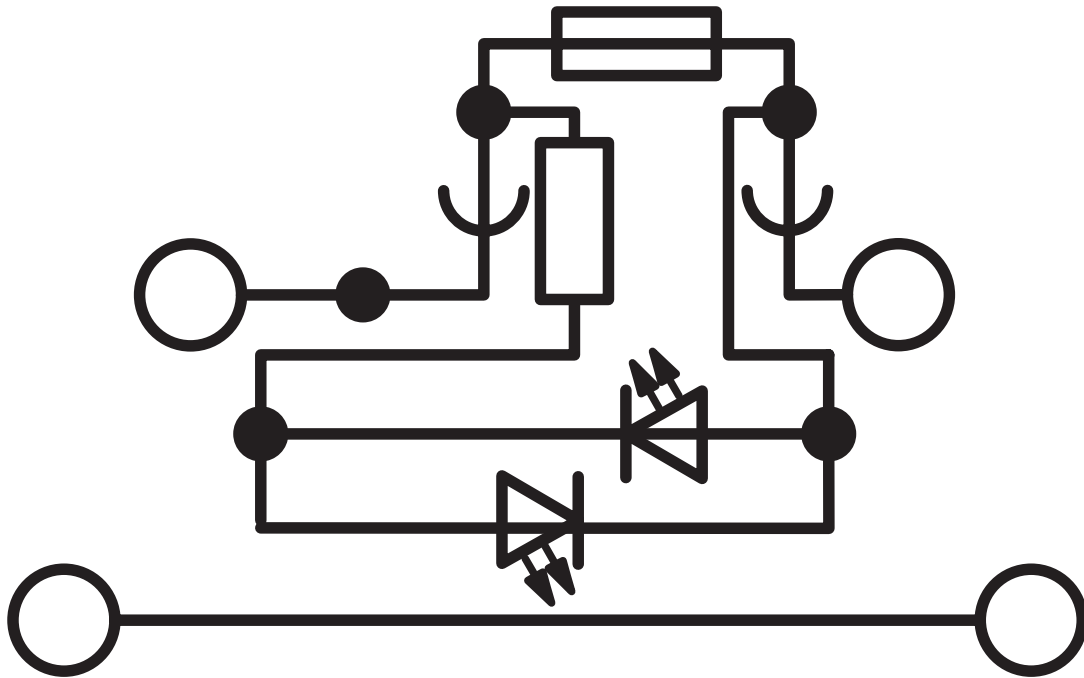
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## Drawings

Circuit diagram



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27141116 |
| ECLASS-12.0 | 27141116 |
| ECLASS-13.0 | 27250113 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000899 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |      |
|---|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|  |   |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50   |
|  | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | c4bc0dce-71e6-4330-85a8-70c64825ab54 |

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