

# UK 6,3-HESILA 250 - Fuse modular terminal block



3004249

<https://www.phoenixcontact.com/gb/products/3004249>

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 6,3 x 32, nom. voltage: 500 V, nominal current: 10 A, number of positions: 1, connection method: Screw connection, Rated cross section: 1.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup>- 16 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, NS 32, color: black

## Your advantages

- Versions with LED
- Large-surface marking
- Safety lever locked in end position

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3004249       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE1234        |
| Product key                          | BE1234        |
| GTIN                                 | 4017918090739 |
| Weight per piece (including packing) | 34.132 g      |
| Weight per piece (excluding packing) | 34.132 g      |
| Customs tariff number                | 85369095      |
| Country of origin                    | TR            |

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## Technical data

### Notes

|                        |   |
|------------------------|---|
| Order information:     | Fuse-link not supplied as standard                                    |
| Note regarding marking | For terminal marking, please use marking material with 10.2 mm pitch. |
| Note regarding marking | For lever marking, please use marking material with 8.2 mm pitch.     |

### Product properties

|                       |                     |
|-----------------------|---------------------|
| Product type          | Fuse terminal block |
| Number of positions   | 1                   |
| Number of connections | 2                   |
| Number of rows        | 1                   |
| Potentials            | 1                   |

### 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 | 2.43 W   |
| Fuse  | G / 6,3 x 32   |
| LED voltage range                               | 250 V AC/DC  |
| Maximum power dissipation                       | max. 2.5 W (with single arrangement of the fuse terminal block in the event of overload)<br>max. 1.6 W (With interconnected arrangement of several fuse terminal blocks in the event of overload)<br>max. 4 W (with single arrangement of the fuse terminal block in the event of a short-circuit)<br>max. 2.5 W (With interconnected arrangement of several fuse terminal blocks in the event of a short-circuit) |

### Input data

|                   |             |
|-------------------|-------------|
| LED voltage range | 250 V AC/DC |
|-------------------|-------------|

### Connection data

|                                 |                    |
|---------------------------------|--------------------|
| Number of connections per level | 2                  |
| Nominal cross section           | 16 mm <sup>2</sup> |

### Level 1 above 1 below 1

|                   |                  |
|-------------------|------------------|
| Connection method | Screw connection |
| Screw thread      | M4               |
| Tightening torque | 1.2 ... 1.5 Nm   |

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|   |  |
|---|--|
| Stripping length  | 12 mm                                      |
| Internal cylindrical gage   | B6   |
| Connection in acc. with standard  | IEC 60947-7-3                              |
| Conductor cross-section rigid   | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Cross section AWG   | 20 ... 6 (converted acc. to IEC)           |
| Conductor cross-section flexible  | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Conductor cross-section, flexible [AWG]   | 20 ... 6 (converted acc. to IEC)           |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> |
| Flexible conductor cross-section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> |
| Cross-section with insertion bridge, rigid  | 10 mm <sup>2</sup>                         |
| Cross-section with insertion bridge, flexible   | 10 mm <sup>2</sup>                         |
| 2 conductors with same cross section, rigid   | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible  | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>  |
| Nominal cross section   | 1.5 mm <sup>2</sup>                        |
| Nominal current   | 10 A                                       |
| Maximum load current  | 10 A                                       |
| Nominal voltage   | 500 V (As a fuse terminal block)           |
| Connection in acc. with standard  | IEC 60947-7-3                              |
| Conductor cross-section rigid   | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Cross section AWG   | 20 ... 6 (converted acc. to IEC)           |
| Conductor cross-section flexible  | 0.5 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> |
| Flexible conductor cross-section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> |
| Cross-section with insertion bridge, rigid  | 10 mm <sup>2</sup>                         |
| Cross-section with insertion bridge, flexible   | 10 mm <sup>2</sup>                         |
| 2 conductors with same cross section, rigid   | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible  | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>  |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>  |
| Nominal cross section   | 1.5 mm <sup>2</sup>                        |
| Nominal current   | 10 A                                       |
| Maximum load current  | 10 A                                       |
| Nominal voltage   | 800 V (As a disconnect terminal block)     |
| Nominal cross section   | 1.5 mm <sup>2</sup>                        |

## Dimensions

|                |         |
|----------------|---------|
| Width          | 10.2 mm |
| Height         | 79 mm   |
| Depth on NS 32 | 65.5 mm |

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|                    |         |
|--------------------|---------|
| Depth on NS 35/7,5 | 60.5 mm |
| Depth on NS 35/15  | 68 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)                        | 27,5 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  |
| 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 |
|                                  | IEC 60947-7-3 |

## Mounting

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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/3004249>

|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                      |
|--|-----------------------|-----------------------|-------------------|----------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
| B  | 250 V                 | 10 A                  | 26 - 8            | -                    |
| C  | 250 V                 | 10 A                  | 26 - 8            | -                    |

|  <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  | 600 V                 | 10 A                  | 26 - 8            | -                    |
| C  | 600 V                 | 10 A                  | 26 - 8            | -                    |
| F  | 500 V                 | 10 A                  | 26 - 8            | -                    |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250113 |
| ECLASS-15.0 | 27250113 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000899 |
|-----------|----------|

### UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 0.141 kg CO2e |
|---------|---------------|

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