

# UK 6-FSI/C-LED24 - Fuse modular terminal block



3001938

<https://www.phoenixcontact.com/cn/products/3001938>

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Flat-type fuse terminal block, cross section: 0.2 - 6 mm<sup>2</sup>, AWG: 26 - 8, width: 8.2 mm, color: black, with light indicator, voltage light indicator: 24 V DC, current light indicator: 2 mA

## Your advantages

- Can be bridged with FBI ... fixed bridge
- For the use of KFZ flat-type fuses from the FSI/C series

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 3001938             |
| Packing unit                         | 50 pc               |
| Minimum order quantity               | 1 pc                |
| Sales key                            | BE1236              |
| Product key                          | BE1236              |
| Catalog page                         | Page 499 (C-1-2019) |
| GTIN                                 | 4017918100971       |
| Weight per piece (including packing) | 21.232 g            |
| Weight per piece (excluding packing) | 21.12 g             |
| Customs tariff number                | 8536300000          |
| Country of origin                    | TR                  |

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## Technical data

### 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                                       | Flat                                   |
| Rated surge voltage                             | 4 kV                                   |
| Maximum power dissipation for nominal condition | 1.31 W                                 |
| Fuse                                            | C                                      |
| Voltage LED                                     | LED red                                |
| Current LED                                     | 2 mA (LED red)                         |
| Maximum current with single arrangement         | 30 A (special arrangements on request) |

### Input data

|             |         |
|-------------|---------|
| Voltage LED | LED red |
|-------------|---------|

### Connection data

|                                 |                   |
|---------------------------------|-------------------|
| Number of connections per level | 2                 |
| Nominal cross section           | 6 mm <sup>2</sup> |

#### 1 level

|                                                                                     |                                              |
|-------------------------------------------------------------------------------------|----------------------------------------------|
| Screw thread                                                                        | M4                                           |
| Tightening torque                                                                   | 1.5 ... 1.8 Nm                               |
| Stripping length                                                                    | 10 mm                                        |
| Internal cylindrical gage                                                           | A5                                           |
| Connection in acc. with standard                                                    | IEC 60947-7-3                                |
| Conductor cross section rigid                                                       | 0.2 mm <sup>2</sup> ... 10 mm <sup>2</sup>   |
| Cross section AWG                                                                   | 24 ... 8 (converted acc. to IEC)             |
| Conductor cross section flexible                                                    | 0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>    |
| Conductor cross section, flexible [AWG]                                             | 24 ... 10 (converted acc. to IEC)            |
| Conductor cross-section flexible (ferrule without plastic sleeve)                   | 0.25 mm <sup>2</sup> ... 6 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> ... 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible                                      | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |

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|                                                                                           |                                           |
|-------------------------------------------------------------------------------------------|-------------------------------------------|
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Nominal current                                                                           | 30 A                                      |
| Maximum load current                                                                      | 30 A                                      |
| Nominal voltage                                                                           | 250 V                                     |
| Nominal cross section                                                                     | 4 mm <sup>2</sup>                         |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 8.2 mm  |
| Height             | 64 mm   |
| Depth on NS 32     | 57 mm   |
| Depth on NS 35/7,5 | 52 mm   |
| Depth on NS 35/15  | 59.5 mm |

## Material specifications

|                                                                         |             |
|-------------------------------------------------------------------------|-------------|
| Color                                                                   | black       |
| 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                                                                                                              |
| Ambient temperature (actuation)         | -5 °C ... 70 °C                                                                                                              |
| Permissible humidity (operation)        | 20 % ... 90 %                                                                                                                |

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|                                          |               |
|------------------------------------------|---------------|
| Permissible humidity (storage/transport) | 30 % ... 70 % |
|------------------------------------------|---------------|

## Standards and regulations

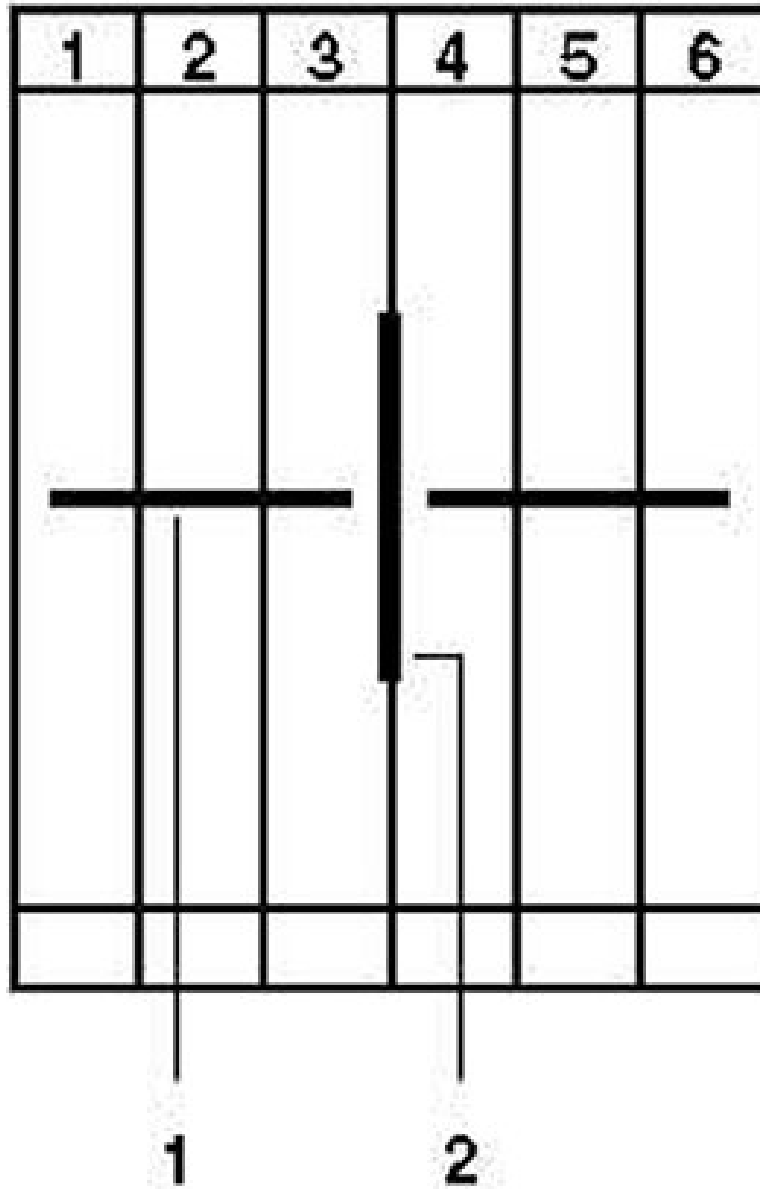
|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-3 |
|----------------------------------|---------------|

## Mounting

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

## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/cn/products/3001938>

| CSA<br>Approval ID: 13631 |                       |                       |                   |                             |
|---------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                           | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|                           | 24 V                  | 30 A                  | 26 - 8            | -                           |

| EAC<br>Approval ID: RU C-DE.BL08.B.00534 |  |  |  |  |
|------------------------------------------|--|--|--|--|
|------------------------------------------|--|--|--|--|

| cULus Recognized<br>Approval ID: E60425 |                       |                       |                   |                             |
|-----------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                         | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                             |                       |                       |                   |                             |
|                                         | 300 V                 | 30 A                  | 26 - 8            | -                           |
| Use group C                             |                       |                       |                   |                             |
|                                         | 300 V                 | 30 A                  | 26 - 8            | -                           |
| Use group F                             |                       |                       |                   |                             |
|                                         | 250 V                 | 30 A                  | 26 - 8            | -                           |
| Use group D                             |                       |                       |                   |                             |
|                                         | 600 V                 | 5 A                   | 26 - 8            | -                           |

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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

|            |                                                         |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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