

# UK 5-HESI (5X20) - Fuse modular terminal block



3004472

<https://www.phoenixcontact.com/us/products/3004472>

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Fuse modular terminal block, fuse type: Glass / ceramics / ..., fuse type: G / 5 x 20, nom. voltage: 800 V, nominal current: 6.3 A, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup>- 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, NS 32, color: black

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3004472       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE12          |
| Product key                          | BE1234        |
| GTIN                                 | 4017918243456 |
| Weight per piece (including packing) | 18.96 g       |
| Weight per piece (excluding packing) | 18.75 g       |
| Customs tariff number                | 85369095      |
| Country of origin                    | IN            |

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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 8.2 mm pitch. |
| Note regarding marking | For lever marking, please use marking material with 6.2 mm pitch.    |

### Product properties

|                       |                     |
|-----------------------|---------------------|
| Product type          | Fuse terminal block |
| 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                             | 8 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>                            |
| Connection method                                                 | Screw connection                             |
| Screw thread                                                      | M3                                           |
| Tightening torque                                                 | 0.6 ... 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>   |
| Cross-section with insertion bridge, rigid                        | 4 mm <sup>2</sup>                            |
| Cross-section with insertion bridge, flexible                     | 4 mm <sup>2</sup>                            |
| 2 conductors with same cross section, rigid                       | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible                    | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, flexible, with ferrule      | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |

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|                                                                                           |                                                    |
|-------------------------------------------------------------------------------------------|----------------------------------------------------|
| without plastic sleeve                                                                    |                                                    |
| 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>        |
| Nominal cross section                                                                     | 4 mm <sup>2</sup>                                  |
| Nominal current                                                                           | 6.3 A                                              |
| Maximum load current                                                                      | 6.3 A (the current is determined by the fuse used) |
| Nominal voltage                                                                           | 800 V (As a fuse terminal block)                   |

## Dimensions

|                    |         |
|--------------------|---------|
| Width              | 8.2 mm  |
| Height             | 72.5 mm |
| Depth on NS 32     | 61.5 mm |
| Depth on NS 35/7,5 | 56.5 mm |
| Depth on NS 35/15  | 64 mm   |

## Material specifications

|                                                                         |                  |
|-------------------------------------------------------------------------|------------------|
| Color                                                                   | black (RAL 9005) |
| Flammability rating according to UL 94                                  | V2               |
| Insulating material group                                               | I                |
| 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           |

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Oscillation/broadband noise

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Specification          | DIN EN 50155 (VDE 0115-200):2008-03              |
| Spectrum               | Long life test category 1, class B, body mounted |
| Frequency              | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$   |
| ASD level              | 1.857 (m/s <sup>2</sup> ) <sup>2</sup> /Hz       |
| Acceleration           | 0.8g                                             |
| Test duration per axis | 5 h                                              |
| Test directions        | X-, Y- and Z-axis                                |
| Result                 | Test passed                                      |

### Shocks

|                |                                     |
|----------------|-------------------------------------|
| Specification  | DIN EN 50155 (VDE 0115-200):2008-03 |
| Pulse shape    | Half-sine                           |
| Acceleration   | 5g                                  |
| Shock duration | 30 ms                               |

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|                                |                                   |
|--------------------------------|-----------------------------------|
| Number of shocks per direction | 3                                 |
| Test directions                | X-, Y- and Z-axis (pos. and neg.) |
| Result                         | Test passed                       |

## 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 |
|----------------------------------|---------------|

## Mounting

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

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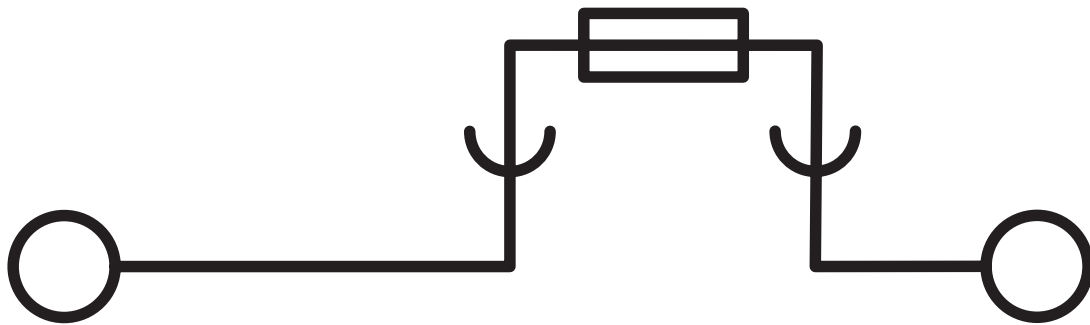


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## Drawings

Circuit diagram





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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3004472>

|  <b>CSA</b><br>Approval ID: 13631 |                       |                       |                   |                             |
|--------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                    | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| B                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                    | 600 V                 | 6.3 A                 | 28 - 10           | -                           |
| C                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                    | 600 V                 | 6.3 A                 | 28 - 10           | -                           |

|  <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 $\text{mm}^2$ |
| B                                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                                    | 600 V                 | 12 A                  | 26 - 10           | -                           |
| C                                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                                    | 600 V                 | 12 A                  | 26 - 10           | -                           |
| F                                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                                    | 600 V                 | 12 A                  | 26 - 10           | -                           |

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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  |
| 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) |
|-------------------------------------|----------------------|

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