

# TB 4-HESI (5X20) EI - Fuse modular terminal block



3075773

<https://www.phoenixcontact.com/in/products/3075773>

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Fuse modular terminal block, fuse type: G / 5 x 20, nom. voltage: 500 V, nominal current: 6.3 A, connection method: Screw connection, cross section: 0.5 mm<sup>2</sup>- 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, NS 32, color: dark gray

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3075773       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE1           |
| Product key                          | BEK234        |
| GTIN                                 | 4046356528832 |
| Weight per piece (including packing) | 13.334 g      |
| Weight per piece (excluding packing) | 13.334 g      |
| Country of origin                    | IN            |

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## Technical data

### 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

|                                                 |            |
|-------------------------------------------------|------------|
| Rated surge voltage                             | 6 kV       |
| Maximum power dissipation for nominal condition | 1.31 W     |
| Fuse                                            | G / 5 x 20 |

### Connection data

|                                                                                           |                                                    |
|-------------------------------------------------------------------------------------------|----------------------------------------------------|
| Number of connections per level                                                           | 2                                                  |
| Screw thread                                                                              | M3                                                 |
| Tightening torque                                                                         | 0.5 ... 0.6 Nm                                     |
| Stripping length                                                                          | 9 mm                                               |
| Connection in acc. with standard                                                          | IEC 60947-7-3                                      |
| 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> ... 2.5 mm <sup>2</sup>        |
| Flexible conductor cross section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>        |
| 2 conductors with same cross section, solid                                               | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>        |
| 2 conductors with same cross section, flexible                                            | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>        |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.5 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>        |
| Nominal current                                                                           | 6.3 A (the current is determined by the fuse used) |
| Maximum load current                                                                      | 6.3 A                                              |
| Nominal voltage                                                                           | 500 V (the voltage is determined by the fuse used) |

### Dimensions

|                    |         |
|--------------------|---------|
| Width              | 8.2 mm  |
| Height             | 58 mm   |
| Depth on NS 32     | 55 mm   |
| Depth on NS 35/7,5 | 50 mm   |
| Depth on NS 35/15  | 57.5 mm |

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## Material specifications

|                                                                  |             |
|------------------------------------------------------------------|-------------|
| Color                                                            | dark gray   |
| Flammability rating according to UL 94                           | V0          |
| Insulating material group                                        | I           |
| Insulating material                                              | PA          |
| Static insulating material application in cold                   | -60 °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 |
| 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 | Yes |
|-----------------|-----|

## Environmental and real-life conditions

### Oscillation/broadband noise

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Specification          | DIN EN 50155 (VDE 0115-200):2008-03                 |
| Spectrum               | Service life test category 1, class B, body mounted |
| Frequency              | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| ASD level              | 0.02g <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                               |
| 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)                                                    |

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|                                          |                 |
|------------------------------------------|-----------------|
| 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     |

# TB 4-HESI (5X20) EI - Fuse modular terminal block

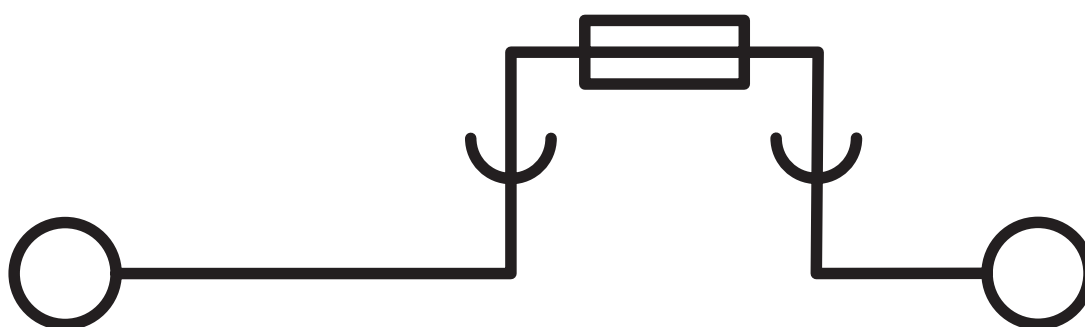
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## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/3075773>

|                                                                                                                                              |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
| <div> <b>cULus Recognized</b><br/>Approval ID: E60425</div> |                       |                       |                   |                             |
|                                                                                                                                              | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                                              | 600 V                 | 6.3 A                 | 20 - 10           | -                           |
| Use group C                                                                                                                                  |                       |                       |                   |                             |
|                                                                                                                                              | 600 V                 | 6.3 A                 | 20 - 10           | -                           |

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC000899 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121410 |
|-------------|----------|

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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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## Accessories

### INBS 10-8 - Insertion bridge

3247159

<https://www.phoenixcontact.com/in/products/3247159>



Insertion bridge, Bridging in the terminal point, number of positions: 10, color: dark gray

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### SZS 0,6X3,5 VDE - Screwdriver

1212602

<https://www.phoenixcontact.com/in/products/1212602>



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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## E/TB - End bracket

3246966

<https://www.phoenixcontact.com/in/products/3246966>



End clamp, for assembly on NS 32 or NS 35/7.5 DIN rail

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## NS 32 PERF 2000MM-VPE 10 - DIN rail perforated

1201002

<https://www.phoenixcontact.com/in/products/1201002>



DIN rail perforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

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## NS 32 UNPERF 2000MM-VPE 10 - DIN rail, unperforated

1201015

<https://www.phoenixcontact.com/in/products/1201015>



DIN rail, unperforated, Pack of 10 (20 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, G profile, color: silver

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