

# STME 6-BE - Component terminal block



3035688

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Component terminal block, If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them., for installing components that can be individually selected, nom. voltage: 500 V, nominal current: 30 A, connection method: Spring-cage connection, Rated cross section: 6 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup> , color: gray

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 3035688       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE02          |
| Product key                          | BE2171        |
| GTIN                                 | 4046356743655 |
| Weight per piece (including packing) | 21.598 g      |
| Weight per piece (excluding packing) | 21.598 g      |
| Customs tariff number                | 85369010      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

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

### Electrical properties

|   |        |
|---|--------|
| Maximum power dissipation for nominal condition | 1.31 W |
|---|--------|

### Connection data

|   |   |
|---|---|
| Number of connections per level   | 2   |
| Nominal cross section   | 6 mm <sup>2</sup>                                       |
| Connection method   | Spring-cage connection                                  |
| Stripping length  | 12 mm   |
| Internal cylindrical gage   | A4  |
| 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> ... 6 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 cross section   | 6 mm <sup>2</sup>                                       |
| Nominal current   | 30 A (the current is determined by the component used)  |
| Nominal voltage   | 500 V (the voltage is determined by the component used) |

### Dimensions

|                    |          |
|--------------------|----------|
| Width              | 8.2 mm   |
| Height             | 100.8 mm |
| Depth on NS 35/7,5 | 60 mm    |
| Depth on NS 35/15  | 67.5 mm  |

### Material specifications

|   |                 |
|---|-----------------|
| Color   | gray (RAL 7042) |
| Flammability rating according to UL 94                                  | V0              |
| 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     |

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|   |             |
|---|-------------|
| 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 | Yes |
|-----------------|-----|

## 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 %  |

## Mounting

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

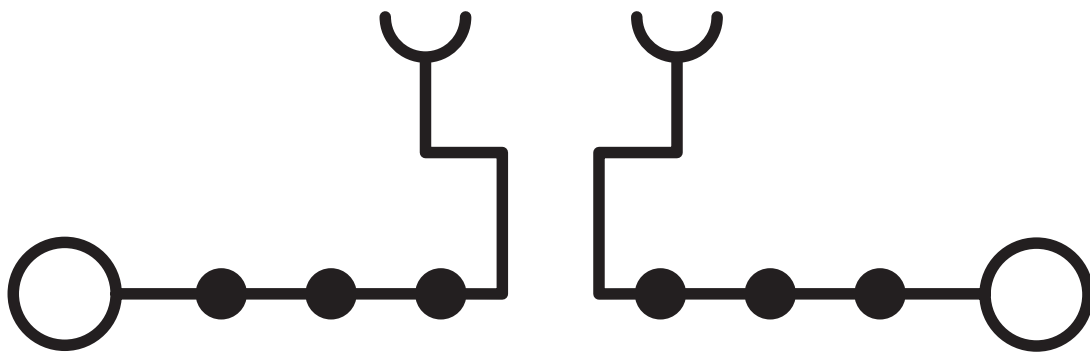
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## Drawings

Circuit diagram



Circuit diagram

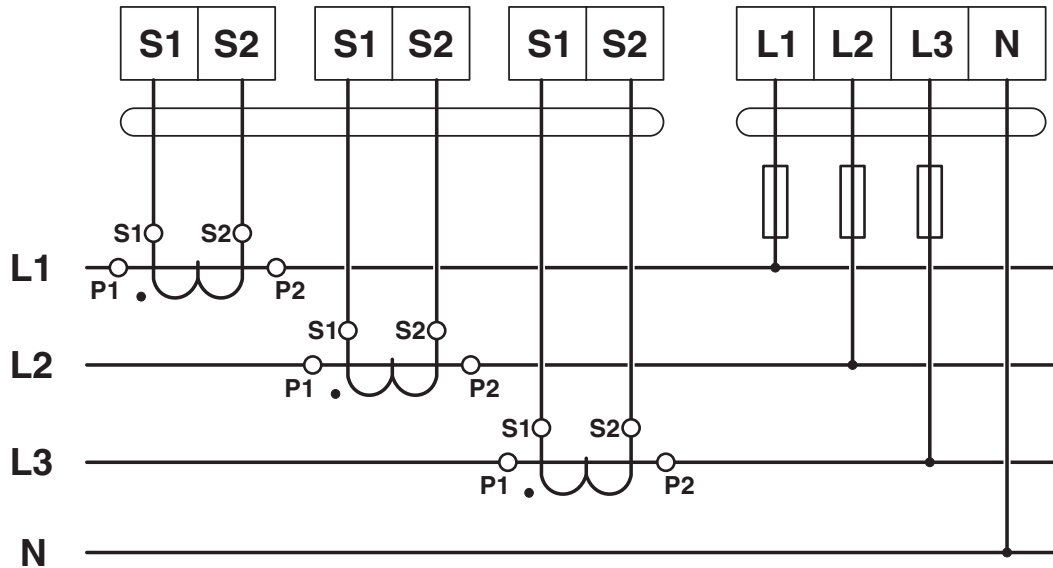


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Circuit diagram



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## Approvals

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**EAC**

Approval ID: RU C-DE.BL08.B.00644



**EAC**

Approval ID: KZ7500651131219505

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250114 |
| ECLASS-15.0 | 27250114 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000898 |
|-----------|----------|

### 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 | 0.12 kg CO2e |
|---------|--------------|

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