

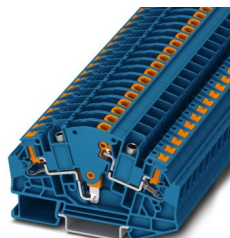
# PTVME 6/S-P BU - Test disconnect terminal block



1350424

<https://www.phoenixcontact.com/gb/products/1350424>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Test disconnect terminal block, nom. voltage: 1000 V, nominal current: 30 A, connection method: Push-in connection, Rated cross section: 6 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 6 mm<sup>2</sup>, color: blue

## Your advantages

- Increased safety with 1,000 V nominal voltage
- The compact design allows an overall width the same as screw terminal blocks
- Quick and easy actuation with the screw-free disconnect slide
- Clearly visible and readily apparent switching state
- Use of CLIPLINE complete standard accessories

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1350424       |
| Packing unit                         | 50 pc         |
| Minimum order quantity               | 50 pc         |
| Sales key                            | BE2333        |
| Product key                          | BE2333        |
| GTIN                                 | 4063151669959 |
| Weight per piece (including packing) | 24.17 g       |
| Weight per piece (excluding packing) | 24.17 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | CN            |

## Technical data

### Product properties

|                       |                                |
|-----------------------|--------------------------------|
| Product type          | Test disconnect 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                             | 8 kV   |
| 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> |

#### Level 1+2

|                                                                                                                   |                                                                                              |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Stripping length                                                                                                  | 10 mm ... 12 mm                                                                              |
| Internal cylindrical gage                                                                                         | A4<br>B4                                                                                     |
| Connection in acc. with standard                                                                                  | IEC 60947-7-1                                                                                |
| 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> ... 6 mm <sup>2</sup>                                                    |
| Conductor cross section, flexible [AWG]                                                                           | 20 ... 10 (converted acc. to IEC)                                                            |
| Conductor cross-section flexible (ferrule without plastic sleeve)                                                 | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> Connection only with corresponding crimp versions. |
| Flexible conductor cross section (ferrule with plastic sleeve)                                                    | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> Connection only with corresponding crimp versions. |
| Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve) | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                                  |
| Nominal current                                                                                                   | 30 A (with 6 mm <sup>2</sup> conductor cross section)                                        |
| Maximum load current                                                                                              | 30 A (with 6 mm <sup>2</sup> conductor cross section)                                        |
| Nominal voltage                                                                                                   | 1000 V                                                                                       |
| Nominal cross section                                                                                             | 6 mm <sup>2</sup>                                                                            |

#### Level 1+2 Connection cross sections directly pluggable

|                                                                   |                                            |
|-------------------------------------------------------------------|--------------------------------------------|
| Conductor cross section rigid                                     | 0.75 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>  |
| Flexible conductor cross section (ferrule with plastic sleeve)    | 1 mm <sup>2</sup> ... 6 mm <sup>2</sup>    |

## Dimensions

# PTVME 6/S-P BU - Test disconnect terminal block



1350424

<https://www.phoenixcontact.com/gb/products/1350424>

|                    |         |
|--------------------|---------|
| Width              | 8.2 mm  |
| End cover width    | 2.2 mm  |
| Height             | 82 mm   |
| Depth on NS 35/7,5 | 54.5 mm |
| Depth on NS 35/15  | 62 mm   |

## Material specifications

|                                                                         |                 |
|-------------------------------------------------------------------------|-----------------|
| Color                                                                   | blue (RAL 5015) |
| 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          |

## Electrical tests

### Surge voltage test

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 9.8 kV      |
| Result                | Test passed |

### Temperature-rise test

|                                                |                                     |
|------------------------------------------------|-------------------------------------|
| Requirement temperature-rise test              | Increase in temperature $\leq 45$ K |
| Result                                         | Test passed                         |
| Short-time withstand current 4 mm <sup>2</sup> | 0.5 kA                              |
|                                                | 0.15 kA                             |
|                                                | 1.25 kA                             |
| Result                                         | Test passed                         |

### Power-frequency withstand voltage

|                       |             |
|-----------------------|-------------|
| Test voltage setpoint | 2.2 kV      |
| Result                | Test passed |

## Mechanical properties

### Mechanical data

|                 |     |
|-----------------|-----|
| Open side panel | Yes |
|-----------------|-----|

## Mechanical tests

### Mechanical strength

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### Attachment on the carrier

|        |             |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

### Test for conductor damage and slackening

|                                |                              |
|--------------------------------|------------------------------|
| Rotation speed                 | 10 rpm                       |
| Revolutions                    | 135                          |
| Conductor cross section/weight | 0.5 mm <sup>2</sup> / 0.3 kg |
|                                | 6 mm <sup>2</sup> / 1.4 kg   |
| Result                         | Test passed                  |

## Environmental and real-life conditions

### Aging

|                    |             |
|--------------------|-------------|
| Temperature cycles | 192         |
| Result             | Test passed |

### Needle-flame test

|                  |             |
|------------------|-------------|
| Time of exposure | 30 s        |
| Result           | Test passed |

### Oscillation/broadband noise

|                        |                                                |
|------------------------|------------------------------------------------|
| Specification          | DIN EN 50155 (VDE 0115-200):2018-05            |
| Spectrum               | Long life test category 2, bogie-mounted       |
| Frequency              | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level              | 6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz      |
| Acceleration           | 3.12g                                          |
| Test duration per axis | 5 h                                            |
| Test directions        | X-, Y- and Z-axis                              |
| Result                 | Test passed                                    |

### Shocks

|                                |                                   |
|--------------------------------|-----------------------------------|
| Pulse shape                    | Half-sine                         |
| Acceleration                   | 30g                               |
| Shock duration                 | 18 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)                                                    |

# PTVME 6/S-P BU - Test disconnect terminal block



1350424

<https://www.phoenixcontact.com/gb/products/1350424>

|                                          |                 |
|------------------------------------------|-----------------|
| 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 60947-7-1 |
|----------------------------------|---------------|

## Mounting

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

# PTVME 6/S-P BU - Test disconnect terminal block



1350424

<https://www.phoenixcontact.com/gb/products/1350424>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1350424>

|  <b>CSA</b><br>Approval ID: 158887 |                       |                       |                   |                             |
|---------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                     | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                         |                       |                       |                   |                             |
|                                                                                                                     | 600 V                 | 30 A                  | 26 - 10           | -                           |
| Use group C                                                                                                         |                       |                       |                   |                             |
|                                                                                                                     | 600 V                 | 30 A                  | 26 - 10           | -                           |

|  <b>cULus Recognized</b><br>Approval ID: E60425 |                       |                       |                   |                             |
|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-------------------|-----------------------------|
|                                                                                                                                  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| Use group B                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 600 V                 | 30 A                  | 26 - 10           | -                           |
| Use group C                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 600 V                 | 30 A                  | 26 - 10           | -                           |
| Use group F                                                                                                                      |                       |                       |                   |                             |
|                                                                                                                                  | 1000 V                | 30 A                  | 26 - 10           | -                           |

# PTVME 6/S-P BU - Test disconnect terminal block



1350424

<https://www.phoenixcontact.com/gb/products/1350424>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250109 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000902 |
|----------|----------|

### UNSPSC

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

# PTVME 6/S-P BU - Test disconnect terminal block



1350424

<https://www.phoenixcontact.com/gb/products/1350424>

## 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%               |

Phoenix Contact 2025 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd  
Halesfield 13, Telford  
Shropshire, TF7 4PG  
01952 681700  
[info@phoenixcontact.co.uk](mailto:info@phoenixcontact.co.uk)