

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

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: gray



## 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	1164788
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE23
Product key	BE2333
GTIN	4063151179403
Weight per piece (including packing)	21.172 g
Weight per piece (excluding packing)	21.172 g
Customs tariff number	85369010
Country of origin	CN

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

## 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

Connection method	Push-in connection
Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A4
	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>
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 (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

#### 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> Connection only with corresponding crimp

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

	versions.
Flexible conductor cross-section (ferrule with plastic sleeve)	1 mm <sup>2</sup> ... 6 mm <sup>2</sup> Connection only with corresponding crimp versions.

## Dimensions

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	gray (RAL 7042)
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 ≤ 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

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

## Mechanical properties

### Mechanical data

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

## Mechanical tests

### Mechanical strength

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

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.)
---------------------------------	--

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

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

## Mounting

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

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

## Drawings

### Circuit diagram



# PTVME 6/S - Test disconnect terminal block




1164788

<https://www.phoenixcontact.com/us/products/1164788>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1164788>

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

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

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

## Classifications

### ECLASS

ECLASS-13.0	27250109
ECLASS-15.0	27250109

### ETIM

ETIM 10.0	EC000902
-----------	----------

### UNSPSC

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

# PTVME 6/S - Test disconnect terminal block



1164788

<https://www.phoenixcontact.com/us/products/1164788>

## 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 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)