

# XTTB 2,5 - Double-level terminal block



1453789

<https://www.phoenixcontact.com/in/products/1453789>

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.

Double-level terminal block, nom. voltage: 800 V, Thermal continuous current  $I_{th}$ : 22 A, connection method: Push-X-connection, Rated cross section: 2.5 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 4 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: gray



## Your advantages

- In addition to the testing option in the double function shaft, all terminal blocks provide an additional test pick-off
- The compact design and front connection enable wiring in a confined space<br/>

## Commercial data

Item number	1453789
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE2
Product key	BE2511
GTIN	4063151842024
Weight per piece (including packing)	14.756 g
Weight per piece (excluding packing)	14.256 g
Customs tariff number	85369010
Country of origin	CN

# XTTB 2,5 - Double-level terminal block



1453789

<https://www.phoenixcontact.com/in/products/1453789>

## Technical data

### Product properties

Product type	Multi-level terminal block
Number of positions	2
Number of connections	4
Number of rows	2

### Insulation characteristics

Overtoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

### Connection data

Number of connections per level	2
Nominal cross section	2.5 mm <sup>2</sup>
Stripping length	10 mm ... 12 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	20 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.75 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	18 ... 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> ... 2.5 mm <sup>2</sup>
Thermal continuous current I <sub>th</sub>	22 A (with 2.5 mm <sup>2</sup> conductor connection cross section)
Maximum load current	25 A (with 4 mm <sup>2</sup> conductor cross section, rigid)
Nominal voltage	800 V
Nominal cross section	2.5 mm <sup>2</sup>

### Dimensions

Width	5.2 mm
End cover width	2.2 mm
Height	90 mm
Depth	46.1 mm
Depth on NS 35/7,5	47.6 mm
Depth on NS 35/15	55.1 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I

# XTTB 2,5 - Double-level terminal block

1453789

<https://www.phoenixcontact.com/in/products/1453789>



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

## 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 2.5 mm <sup>2</sup>	0.3 kA
Result	Test passed

### Power-frequency withstand voltage

Test voltage setpoint	2 kV
Result	Test passed

## Mechanical properties

### Mechanical data

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

## Mechanical tests

### Mechanical strength

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

### Attachment on the carrier

DIN rail/fixing support	NS 35
Result	Test passed

### Test for conductor damage and slackening

Rotation speed	9 rpm
Revolutions	135
Conductor cross section/weight	0.75 mm <sup>2</sup> / 0.4 kg
	2.5 mm <sup>2</sup> / 0.7 kg
	4 mm <sup>2</sup> / 0.9 kg
	0.5 mm <sup>2</sup> / 0.3 kg