

1300612

<https://www.phoenixcontact.com/pc/products/1300612>

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.



Device terminal block, nom. voltage: 450 V, nominal current: 24 A, number of connections: 6, number of positions: 3, connection method: Push-in connection, cross section: 0.14 mm² - 4 mm², mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging, color: gray/blue/green-yellow

Commercial data

Item number	1300612
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	BEA281
GTIN	4063151544751
Weight per piece (including packing)	9.99 g
Weight per piece (excluding packing)	9.5 g
Customs tariff number	85369010
Country of origin	PL

Technical data

Notes

General

Note	The maximum load current of a single clamping unit must not be exceeded.
------	--

Product properties

Product type	Distributor terminal block
Number of positions	3
Number of connections	6
Number of rows	1

Insulation characteristics

Overvoltage 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	6
Nominal cross section	2.5 mm ²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A3
	B3
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section rigid	0.14 mm ² ... 4 mm ²
Cross section AWG	26 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	26 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 2.5 mm ²
Nominal current	24 A
Maximum load current	32 A (with 4 mm ² conductor cross-section)
Maximum total current	The maximum load current of the individual terminal point must not be exceeded.
Nominal voltage	450 V (in accordance with IEC 60998-2-2)

Connection cross sections directly pluggable

Conductor cross section rigid	0.5 mm ² ... 4 mm ²
Conductor cross section, rigid [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.75 mm ² ... 2.5 mm ²

PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 2.5 mm²
--	---------------------

Dimensions

Width	15.68 mm
Height	28.6 mm
Depth	21.7 mm

Material specifications

Color	multicolored
	gray (RAL 7042)
	blue (RAL 5015)
	green-yellow
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	No
-----------------	----

Environmental and real-life conditions

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	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2018-05
Pulse shape	Half-sine
Acceleration	30g

PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

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)
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

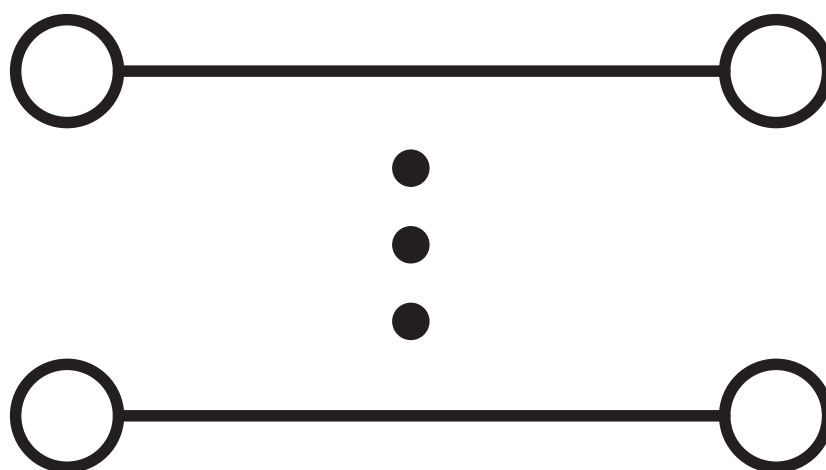
Connection in acc. with standard	IEC 60998-2-2
----------------------------------	---------------

Mounting

Mounting type	for snapping onto a DIN rail adapter
	Direct mounting with flange
	Free-hanging

Drawings

Circuit diagram



PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1300612>

 CSA Approval ID: 2030668				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	20 A	26 - 12	-
Use group C				
	300 V	20 A	26 - 12	-
Use group D				
	600 V	5 A	26 - 12	-

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	20 A	26 - 12	-
Use group C				
	300 V	20 A	26 - 12	-
Use group F				
	500 V	20 A	26 - 12	-
Use group D				
	600 V	5 A	26 - 12	-

PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

Classifications

ECLASS

ECLASS-13.0	27250118
ECLASS-15.0	27250118

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

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

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%

1300612

<https://www.phoenixcontact.com/pc/products/1300612>

Accessories

 Note: Applying some accessories below might limit this product.

FBS 2-5 - Plug-in bridge

3030161

<https://www.phoenixcontact.com/pc/products/3030161>



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, length: 23 mm, color: red

 Max. current carrying capacity: 24 A

FBS 2-5 BU - Plug-in bridge

3036877

<https://www.phoenixcontact.com/pc/products/3036877>



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: blue

 Max. current carrying capacity: 24 A

PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

FBS 2-5 GY - Plug-in bridge

3038969

<https://www.phoenixcontact.com/pc/products/3038969>



Plug-in bridge, pitch: 5.2 mm, number of positions: 2, color: gray

 Max. current carrying capacity: 24 A

PTFIX-NS35 - DIN rail adapter

3274054

<https://www.phoenixcontact.com/pc/products/3274054>



DIN rail adapter, for NS 35 and NS 15 for accommodating 2.5 mm², 4 mm², and 10 mm² FIX blocks in vertical direction, color: gray

PTVFIX 2,5-L/N/GNYE - Device terminal block

1300612

<https://www.phoenixcontact.com/pc/products/1300612>



PTFIX-NS35A - DIN rail adapter

3274056

<https://www.phoenixcontact.com/pc/products/3274056>

DIN rail adapter, for NS 35 for accommodating 2.5 mm² and 4 mm² FIX blocks in horizontal direction, color: gray



PTFIX-NS35A-FIX - DIN rail adapter

3274057

<https://www.phoenixcontact.com/pc/products/3274057>

DIN rail adapter, for NS 35 with end bracket function for accommodating 2.5 mm² and 4 mm² FIX blocks in horizontal direction; color: gray



PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

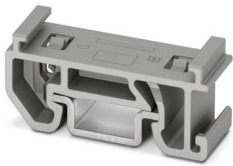
<https://www.phoenixcontact.com/pc/products/1300612>

PTFIX-NS15A - DIN rail adapter

3274058

<https://www.phoenixcontact.com/pc/products/3274058>

DIN rail adapter, for NS 15 for accommodating 2.5 mm² and 4 mm² FIX blocks in horizontal direction, color: gray

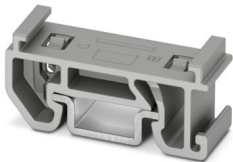


PTFIX-NS15A-FIX - DIN rail adapter

3274059

<https://www.phoenixcontact.com/pc/products/3274059>

DIN rail adapter, for NS 15 with end bracket function for accommodating 2.5 mm² and 4 mm² FIX blocks in horizontal direction, color: gray



PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

PTFIX-F - Flange

3274060

<https://www.phoenixcontact.com/pc/products/3274060>



Flange, With screw fixing, for direct mounting of the 2.5 mm² and 4 mm² FIX blocks, depth: 21.7 mm, width: 8.6 mm, height: 28.6 mm, color: gray, mounting type: Screw mounting

TML (EX3,8)R - Marker strip

0801837

<https://www.phoenixcontact.com/pc/products/0801837>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 12, roll length: 30 m, text field height: 3.8 mm, text field width: 30000 mm

1300612

<https://www.phoenixcontact.com/pc/products/1300612>

TML (104X3,8)R - Marker strip

0801833

<https://www.phoenixcontact.com/pc/products/0801833>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 2500, text field height: 3.8 mm, text field width: 104 mm

TML (104X2,8)R - Marker strip

0801832

<https://www.phoenixcontact.com/pc/products/0801832>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 2500, text field height: 2.8 mm, text field width: 104 mm

PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

TML (EX2,8)R - Marker strip

0801836

<https://www.phoenixcontact.com/pc/products/0801836>

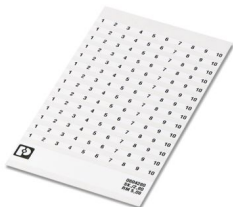


Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 14, roll length: 30 m, text field height: 2.8 mm, text field width: 30000 mm

SK 2,8 REEL P5,2 WH CUS - Marker card

8199986

<https://www.phoenixcontact.com/pc/products/8199986>



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm

PTVFIX 2,5-L/N/GNYE - Device terminal block

1300612

<https://www.phoenixcontact.com/pc/products/1300612>



SK 3,8 REEL P5,2 WH CUS - Marker card

8199989

<https://www.phoenixcontact.com/pc/products/8199989>



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm

US-TML (104X3,8) - Marker for terminal blocks

0830768

<https://www.phoenixcontact.com/pc/products/0830768>



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, THERMOMARK PRIME 2.0, mounting type: adhesive, Number of individual labels: 22, text field height: 3.8 mm, text field width: 104 mm

PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

US-TML (104X2,8) - Marker for terminal blocks

0830767

<https://www.phoenixcontact.com/pc/products/0830767>



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, THERMOMARK PRIME 2.0, mounting type: adhesive, Number of individual labels: 26, text field height: 2.8 mm, text field width: 104 mm

SK U/3,8 WH:UNBEDRUCKT - Marker card

0803906

<https://www.phoenixcontact.com/pc/products/0803906>



Marker card, Din A4, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, Number of individual labels: 1440, text field height: 3.8 mm, text field width: 186 mm

PTVFIX 2,5-L/N/GNYE - Device terminal block



1300612

<https://www.phoenixcontact.com/pc/products/1300612>

SK U/2,8 WH:UNBEDRUCKT - Marker card

0803883

<https://www.phoenixcontact.com/pc/products/0803883>



Marker card, Din A4, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, Number of individual labels: 3600, text field height: 2.8 mm, text field width: 186 mm

MM-TML (EX3,8)R C1 WH/BK - Label

1092026

<https://www.phoenixcontact.com/pc/products/1092026>



Label, Roll, white/black, unlabeled, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, mounting type: adhesive, Number of individual labels: 1, text field height: 3.8 mm, text field width: 8000 mm

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

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com