

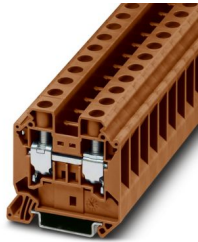
UT 16 BN - Feed-through terminal block



1143432

<https://www.phoenixcontact.com/us/products/1143432>

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.



Feed-through terminal block, nom. voltage: 1000 V, nominal current: 76 A, number of connections: 2, connection method: Screw connection, Rated cross section: 16 mm², cross section: 1.5 mm² - 25 mm², mounting type: NS 35/7,5, NS 35/15, color: brown

Commercial data

Item number	1143432
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1111
GTIN	4063151130336
Weight per piece (including packing)	30.39 g
Weight per piece (excluding packing)	30.39 g
Customs tariff number	85369010
Country of origin	TR

UT 16 BN - Feed-through terminal block



1143432

<https://www.phoenixcontact.com/us/products/1143432>

Technical data

Product properties

Product type	Feed-through terminal block
Product family	UT
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
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	2.43 W

Connection data

Number of connections per level	2
Nominal cross section	16 mm ²

Level 1 above 1 below 1

Connection method	Screw connection
Screw thread	M5
Tightening torque	2.5 ... 3 Nm
Stripping length	14 mm
Internal cylindrical gage	A7
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	1.5 mm ² ... 25 mm ²
Cross section AWG	14 ... 4 (converted acc. to IEC)
Conductor cross-section flexible	1.5 mm ² ... 25 mm ²
Conductor cross-section, flexible [AWG]	14 ... 4 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm ² ... 16 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	1 mm ² ... 16 mm ²
2 conductors with same cross section, solid	1 mm ² ... 6 mm ²
2 conductors with same cross section, flexible	1 mm ² ... 6 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	1 mm ² ... 6 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.75 mm ² ... 10 mm ²
Nominal current	76 A

UT 16 BN - Feed-through terminal block



1143432

<https://www.phoenixcontact.com/us/products/1143432>

Maximum load current	101 A (with 25 mm ² conductor cross-section)
Nominal voltage	1000 V
Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Nominal cross section	16 mm ²

Dimensions

Width	12.2 mm
End cover width	2.2 mm
Height	55.5 mm
Depth	54.4 mm
Depth on NS 35/7,5	55 mm
Depth on NS 35/15	62.5 mm

Material specifications

Color	brown (RAL 8028)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

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 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

Mounting

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

UT 16 BN - Feed-through terminal block

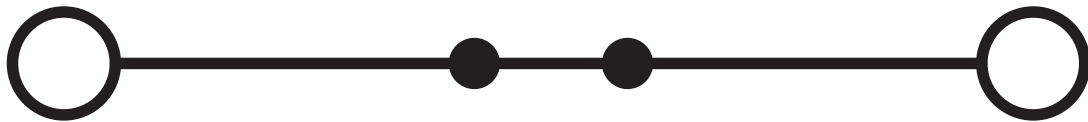
1143432

<https://www.phoenixcontact.com/us/products/1143432>



Drawings

Circuit diagram



UT 16 BN - Feed-through terminal block



1143432

<https://www.phoenixcontact.com/us/products/1143432>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1143432>

DNV

Approval ID: TAE00001S9



CSA

Approval ID: 13631



IECEE CB Scheme

Approval ID: DE1-65779

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1000 V	76 A	-	- 16



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	600 V	85 A	16 - 4	-
Multi-conductor connection	600 V	85 A	- 14	-
C				
	600 V	85 A	16 - 4	-
Multi-conductor connection	600 V	85 A	- 14	-



VDE approval of drawings

Approval ID: 40020166

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	1000 V	76 A	-	1.5 - 16



CSA

Approval ID: 13631



ATEX

Approval ID: KEMA04ATEX2048U

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				


UT 16 BN - Feed-through terminal block





1143432

<https://www.phoenixcontact.com/us/products/1143432>


Only flexible conductors	690 V	73.5 A	-	1.5 - 16
Only rigid conductors	690 V	89.5 A	-	1.5 - 25


 cUL Recognized Approval ID: E192998				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	85 A	16 - 4	-

 IECEx Approval ID: IECEx KEM 06.0027U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Only flexible conductors	690 V	73.5 A	-	1.5 - 16
Only rigid conductors	690 V	89.5 A	-	1.5 - 25

 UL Recognized Approval ID: E192998				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	600 V	85 A	16 - 4	-

 CCC Approval ID: 2020322313000622				
---	--	--	--	--

 UKCA-EX Approval ID: DEKRA 21UKEX0304U				
--	--	--	--	--

 EAC Ex Approval ID: KZ 7500525010101950				
---	--	--	--	--

UT 16 BN - Feed-through terminal block



1143432

<https://www.phoenixcontact.com/us/products/1143432>

Classifications

ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

ETIM

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

UNSPSC

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

UT 16 BN - Feed-through terminal block



1143432

<https://www.phoenixcontact.com/us/products/1143432>

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 USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com