

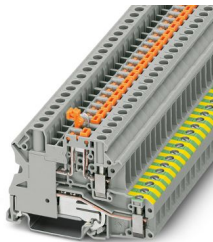
UT 4-PE/MT P/P - Feed-through terminal block



3046140

<https://www.phoenixcontact.com/us/products/3046140>

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, With test socket screws for insertion of test plugs, nom. voltage: 500 V, nominal current: 20 A, connection method: Screw connection, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 6 mm², mounting: NS 35/7,5, NS 35/15, color: gray

Commercial data

Item number	3046140
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1124
Catalog page	Page 167 (C-1-2019)
GTIN	4046356416221
Weight per piece (including packing)	21.555 g
Weight per piece (excluding packing)	21.555 g
Customs tariff number	85369010
Country of origin	PL

UT 4-PE/MT P/P - Feed-through terminal block



3046140

<https://www.phoenixcontact.com/us/products/3046140>

Technical data

Product properties

Product type	Ground terminal block
Number of connections	2
Number of rows	1

Data management status

Article revision	09
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm ²

Level 1 above 1 below 1

Screw thread	M3
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 60947-7-1/IEC 60947-7-2
Conductor cross section rigid	0.14 mm ² ... 6 mm ²
Cross section AWG	26 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.14 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	26 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
Nominal current	20 A
Maximum load current	20 A (with 6 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	2.5 mm ²

Dimensions

Width	6.2 mm
Height	70.8 mm
Depth on NS 35/7,5	49.1 mm

UT 4-PE/MT P/P - Feed-through terminal block



3046140

<https://www.phoenixcontact.com/us/products/3046140>

Depth on NS 35/15	56.6 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
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 4 mm ²	0.48 kA
Short-time withstand current 6 mm ²	0.72 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	No
-----------------	----

Mechanical tests

Mechanical strength

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

Attachment on the carrier

DIN rail/fixing support	NS 35
Test force setpoint	1 N

UT 4-PE/MT P/P - Feed-through terminal block



3046140

<https://www.phoenixcontact.com/us/products/3046140>

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

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.2 mm ² / 0.2 kg
	4 mm ² / 0.9 kg
	6 mm ² / 1.4 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

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

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.)

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/IEC 60947-7-2
----------------------------------	-----------------------------

Mounting

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

UT 4-PE/MT P/P - Feed-through terminal block



3046140

<https://www.phoenixcontact.com/us/products/3046140>

	NS 35/15
--	----------

UT 4-PE/MT P/P - Feed-through terminal block

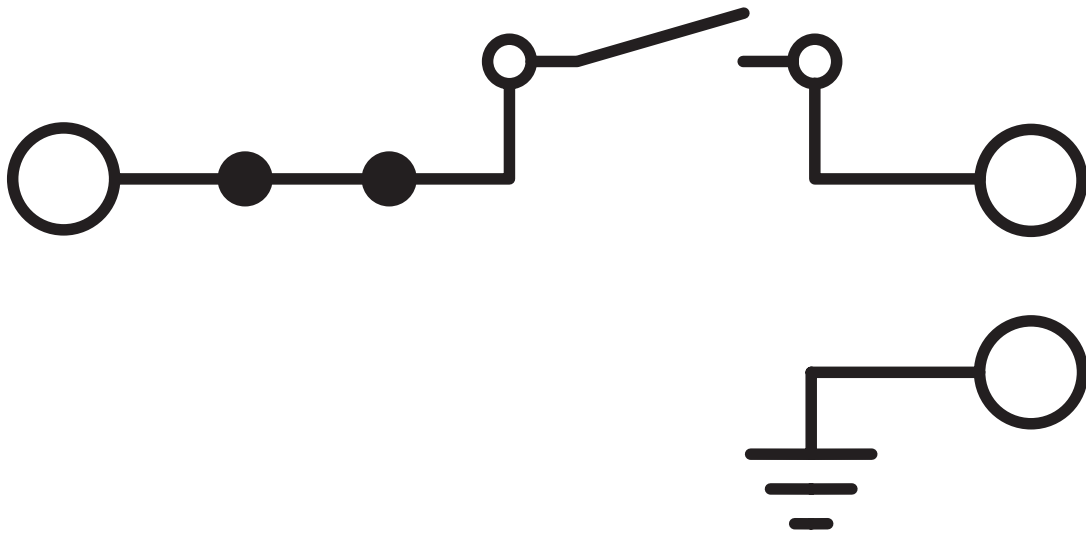


3046140

<https://www.phoenixcontact.com/us/products/3046140>

Drawings

Circuit diagram



UT 4-PE/MT P/P - Feed-through terminal block



3046140

<https://www.phoenixcontact.com/us/products/3046140>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3046140>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	16 A	26 - 10	-
Use group C				
	600 V	16 A	26 - 10	-

 EAC Approval ID: RU C-DE.BL08.B.00534				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
upper level	600 V	16 A	26 - 10	-
lower level	-	-	26 - 10	-
Multi-conductor connection	600 V	16 A	26 - 14	-
Use group C				
upper level	600 V	16 A	26 - 10	-
lower level	-	-	26 - 10	-
Multi-conductor connection	600 V	16 A	26 - 14	-
Use group D				
lower level	-	-	26 - 10	-

UT 4-PE/MT P/P - Feed-through terminal block



3046140

<https://www.phoenixcontact.com/us/products/3046140>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250104

ETIM

ETIM 9.0	EC000901
----------	----------

UNSPSC

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

UT 4-PE/MT P/P - Feed-through terminal block



3046140
<https://www.phoenixcontact.com/us/products/3046140>

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	555abf1f-3623-4a5d-b853-b4f8cd3c2e33

Phoenix Contact 2024 © - 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