

UT 6-MT P/P BU - Knife-disconnect terminal block



3073270

<https://www.phoenixcontact.com/us/products/3073270>

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.



Knife-disconnect terminal block, With test socket screws for insertion of test plugs, nom. voltage: 500 V, Thermal continuous current I_{th} : 20 A, connection method: Screw connection, Rated cross section: 6 mm², cross section: 0.2 mm² - 10 mm², mounting: NS 35/7,5, NS 35/15, color: blue

Your advantages

- Globally recognized: Internationally proven screw connection
- Maintenance-free and vibration-resistant thanks to the patented Reakdyn principle
- Space savings and flexibility with the connection of two identical conductors
- Long-term stable connections with the use of high-quality materials
- Low self-heating due to high contact forces
- Maximum efficiency in the smallest space - thanks to integrated level bridging, the connections are connected across levels

Commercial data

Item number	3073270
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1131
GTIN	4046356334884
Weight per piece (including packing)	18.67 g
Weight per piece (excluding packing)	18.67 g
Customs tariff number	85369010
Country of origin	PL

UT 6-MT P/P BU - Knife-disconnect terminal block



3073270

<https://www.phoenixcontact.com/us/products/3073270>

Technical data

Product properties

Product type	Disconnect terminal block
Product family	UT
Number of connections	2
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	2
Nominal cross section	6 mm ²
Connection method	Screw connection
Screw thread	M4
Tightening torque	1.2 ... 1.5 Nm
Stripping length	10 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm ² ... 10 mm ²
Cross section AWG	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm ² ... 10 mm ²
Conductor cross-section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm ² ... 10 mm ²
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 6 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm ² ... 6 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 4 mm ²
Thermal continuous current I _{th}	20 A
Maximum load current	20 A (with 10 mm ² conductor cross-section)
Nominal voltage	500 V
Nominal cross section	6 mm ²

UT 6-MT P/P BU - Knife-disconnect terminal block

3073270

<https://www.phoenixcontact.com/us/products/3073270>



Dimensions

Width	8.2 mm
Height	57.8 mm
Depth on NS 35/7,5	49.1 mm
Depth on NS 35/15	56.6 mm

Material specifications

Color	blue (RAL 5015)
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	7.3 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 ²	0.3 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

UT 6-MT P/P BU - Knife-disconnect terminal block



3073270

<https://www.phoenixcontact.com/us/products/3073270>

Attachment on the carrier

DIN rail/fixing support	NS 35
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 (+/- 2) rpm
Revolutions	135
Conductor cross-section/weight	0.2 mm ² / 0.2 kg
	6 mm ² / 1.4 kg
	10 mm ² / 2 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	Long life test category 2, bogie-mounted
Frequency	f ₁ = 5 Hz to f ₂ = 250 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
Result	Test passed

Shocks

Pulse shape	Semi-sinusoidal
Acceleration	5g
Shock duration	30 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

UT 6-MT P/P BU - Knife-disconnect terminal block

3073270

<https://www.phoenixcontact.com/us/products/3073270>



Connection in acc. with standard

IEC 60947-7-1

Mounting

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

UT 6-MT P/P BU - Knife-disconnect terminal block

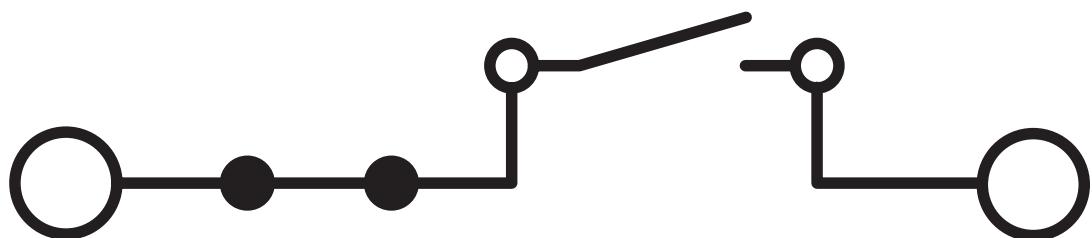
3073270

<https://www.phoenixcontact.com/us/products/3073270>



Drawings

Circuit diagram



UT 6-MT P/P BU - Knife-disconnect terminal block

3073270

<https://www.phoenixcontact.com/us/products/3073270>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3073270>



CSA

Approval ID: 13631



EAC

Approval ID: KZ7500651131219505



cULus Recognized

Approval ID: E60425

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	300 V	16 A	24 - 8	-
Multi-conductor connection	300 V	16 A	24 - 12	-
C				
	300 V	16 A	24 - 8	-
Multi-conductor connection	300 V	16 A	24 - 12	-
D				
	600 V	5 A	24 - 8	-
Multi-conductor connection	600 V	5 A	24 - 12	-



CSA

Approval ID: 13631

UT 6-MT P/P BU - Knife-disconnect terminal block

3073270

<https://www.phoenixcontact.com/us/products/3073270>



Classifications

ECLASS

ECLASS-13.0	27250108
ECLASS-15.0	27250108

ETIM

ETIM 9.0	EC000902
----------	----------

UNSPSC

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

UT 6-MT P/P BU - Knife-disconnect terminal block

3073270

<https://www.phoenixcontact.com/us/products/3073270>



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	c833724a-d9ec-4e36-847d-7b43a4c83907

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