

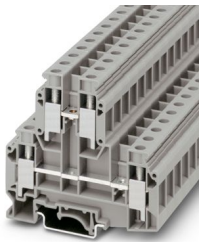
UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

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: 500 V, nominal current: 57 A, connection method: Screw connection, 1st and 2nd level, Rated cross section: 10 mm², cross section: 0.5 mm² - 16 mm², Rated cross section: 10 mm², cross section: 0.5 mm² - 16 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Your advantages

- Design width of just 10.2 mm

Commercial data

Item number	2772077
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE1214
Product key	BE1214
Catalog page	Page 474 (C-1-2019)
GTIN	4017918068240
Weight per piece (including packing)	43.86 g
Weight per piece (excluding packing)	41.544 g
Customs tariff number	85369010
Country of origin	TR

UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

Technical data

Product properties

Product type	Multi-level terminal block
Product family	UK
Number of connections	4
Number of rows	2
Potentials	2

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.82 W

Connection data

Number of connections per level	2
Nominal cross section	10 mm ²

1st and 2nd level

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	11 mm
Internal cylindrical gage	B6
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm ² ... 16 mm ²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 10 mm ²
Conductor cross section, flexible [AWG]	20 ... 8 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 10 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, solid	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 4 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 6 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 6 mm ²
Nominal current	57 A
Maximum load current	76 A (with 16 mm ² conductor cross section)
Nominal voltage	500 V
Nominal cross section	10 mm ²
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm

UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

Stripping length	11 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm² ... 16 mm²
Cross section AWG	20 ... 6 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm² ... 10 mm²
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm² ... 10 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm² ... 6 mm²
2 conductors with same cross section, solid	0.5 mm² ... 6 mm²
2 conductors with same cross section, flexible	0.5 mm² ... 4 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm² ... 6 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 6 mm²
Nominal current	57 A
Maximum load current	76 A (with 16 mm² conductor cross section)
Nominal cross section	10 mm²

Dimensions

Width	10.2 mm
End cover width	1.5 mm
Height	77.5 mm
Depth on NS 32	78 mm
Depth on NS 35/7,5	73 mm
Depth on NS 35/15	80.5 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
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

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 10 mm ²	1.2 kA
Short-time withstand current 16 mm ²	1.92 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 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 32/NS 35
Test force setpoint	5 N
Result	Test passed

Test for conductor damage and slackening

Rotation speed	10 rpm
Revolutions	135
Conductor cross section/weight	0.5 mm ² / 0.3 kg
	10 mm ² / 2 kg
	16 mm ² / 2.9 kg
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
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

UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

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 60947-7-1

Mounting

Mounting type	NS 35/7,5
	NS 35/15
	NS 32

UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

Drawings

Circuit diagram



UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/au/products/2772077>

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	300 V	65 A	24 - 6	-

CB IECEE CB Scheme Approval ID: NL-39732				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	-	-	- 10

EAC Approval ID: KZ7500651131219505				
---	--	--	--	--

KEMA-KEUR Approval ID: 71-126336 REV.1				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	500 V	-	-	0.5 - 10

cULus 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	65 A	24 - 6	-
Use group C	300 V	65 A	24 - 6	-
Use group F	500 V	65 A	24 - 6	-
Use group D	600 V	5 A	24 - 6	-

UKKB 10 - Double-level terminal block



2772077

<https://www.phoenixcontact.com/au/products/2772077>

Classifications

ECLASS

ECLASS-13.0	27250102
-------------	----------

ETIM

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

UNSPSC

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

UKKB 10 - Double-level terminal block



2772077
<https://www.phoenixcontact.com/au/products/2772077>

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 PTY Ltd
Unit 7, 2-8 South Street
Rydalmere NSW 2116
1300 786 411
customerservice@phoenixcontact.com.au