

UKK 3-MSTBVH-5,08 - Double-level terminal block



2770846

<https://www.phoenixcontact.com/us/products/2770846>

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: 250 V, nominal current: 12 A, number of connections: 4, number of positions: 1, connection method: Screw/plug-in connection, 1st and 2nd level connection left, cross section: 0.2 mm² - 4 mm², mounting type: NS 35/7,5, NS 35/15, NS 32, color: gray

Commercial data

Item number	2770846
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE12
Product key	BE1241
Catalog page	Page 325 (CL-2005)
GTIN	4017918068073
Weight per piece (including packing)	9.514 g
Weight per piece (excluding packing)	8.8 g
Customs tariff number	85369010
Country of origin	PL

UKK 3-MSTBVH-5,08 - Double-level terminal block



2770846

<https://www.phoenixcontact.com/us/products/2770846>

Technical data

Notes

General	Current and voltage are determined by the plug used.
---------	--

Product properties

Product type	Multi-level terminal block
Product family	UKK 3-MSTB
Number of positions	1
Pitch	5.08 mm
Number of connections	4
Number of rows	2
Potentials	2

Data management status

Article revision	06
------------------	----

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Nominal cross section	2.5 mm ²
Rated cross section AWG	12

1st and 2nd level connection left

Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	8 mm
Internal cylindrical gage	A3
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section, flexible [AWG]	24 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm ² ... 2.5 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm ² ... 1.5 mm ²
2 conductors with same cross section, solid	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 1 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm ² ... 0.5 mm ²
2 conductors with the same cross section, flexible, with TWIN	0.5 mm ² ... 1 mm ²

UKK 3-MSTBVH-5,08 - Double-level terminal block

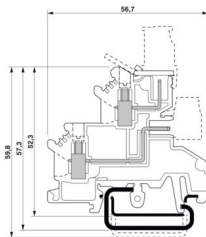


2770846

<https://www.phoenixcontact.com/us/products/2770846>

ferrule with plastic sleeve	
Nominal current	12 A
Maximum load current	12 A (with 4 mm ² conductor cross section)
Nominal voltage	250 V

Dimensions

Dimensional drawing	
Width	5.08 mm
End cover width	2.5 mm
Height	50 mm
Depth on NS 35/7,5	52.5 mm
Pitch	5.08 mm

Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V2
Insulating material group	I
Insulating material	PA
Contact surface	Tin Sn
Static insulating material application in cold	-40 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

Electrical tests

Surge voltage test

Test voltage setpoint	4.8 kV
Result	Test passed
Short-time withstand current 1 mm ²	0.12 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.5 kV
Result	Test passed

Mechanical properties

Mechanical data

Open side panel	Yes
-----------------	-----

UKK 3-MSTBVH-5,08 - Double-level terminal block



2770846

<https://www.phoenixcontact.com/us/products/2770846>

Mechanical tests

Attachment on the carrier

DIN rail/fixing support	NS 32/NS 35
Test force setpoint	1 N
Result	Test passed

Environmental and real-life conditions

Service life

Insertion/withdrawal cycles	100
-----------------------------	-----

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2022-06
Pulse shape	Half-sine
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 (max. operating temperature see derating curve)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 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 %

Mounting

	NS 35/7,5
--	-----------

UKK 3-MSTBVH-5,08 - Double-level terminal block



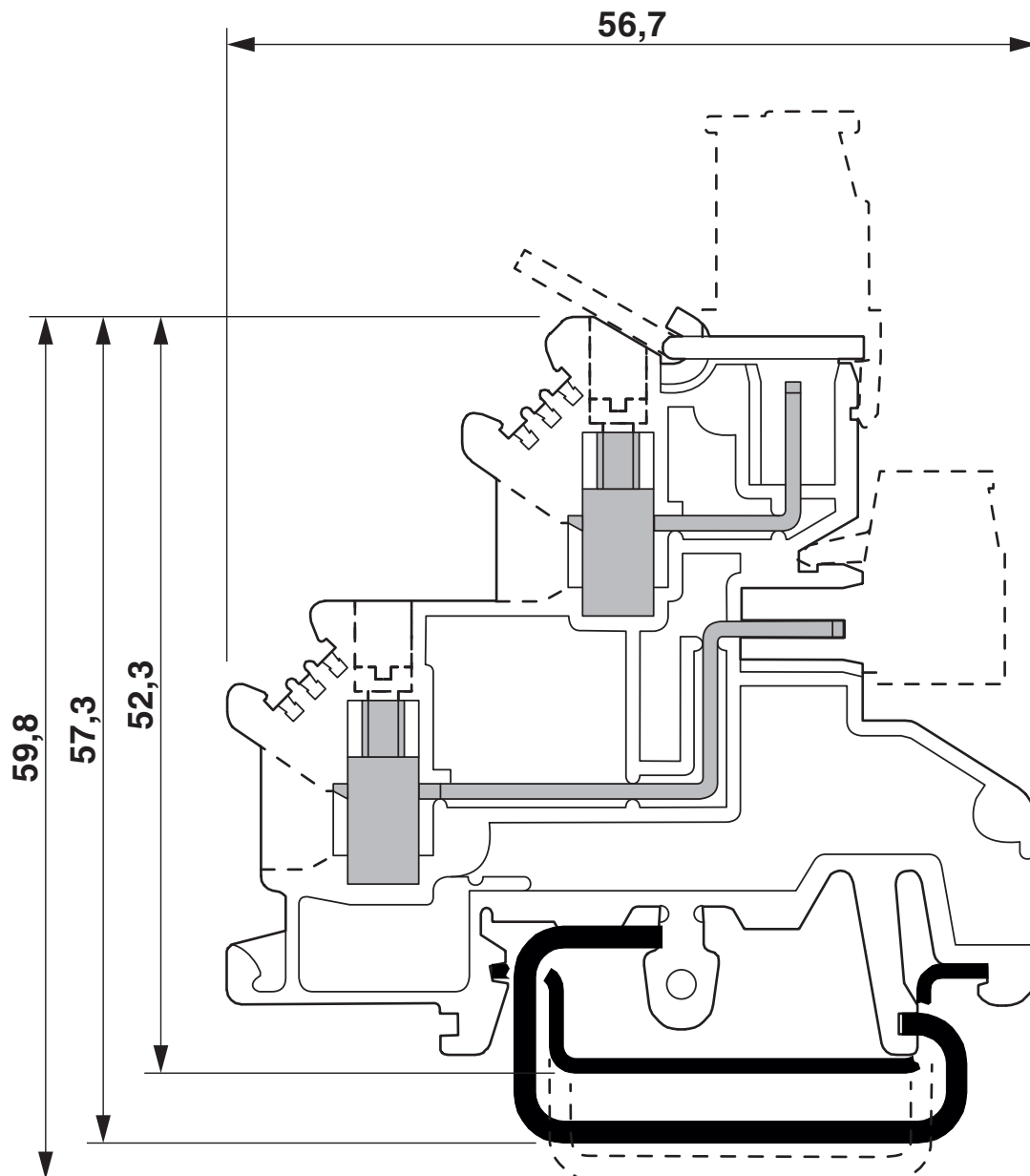
2770846

<https://www.phoenixcontact.com/us/products/2770846>

Mounting type	NS 35/15
	NS 32

Drawings

Dimensional drawing



UKK 3-MSTBVH-5,08 - Double-level terminal block



2770846

<https://www.phoenixcontact.com/us/products/2770846>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2770846>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	300 V	10 A	28 - 12	-

 UL Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	10 A	30 - 12	-
Use group C				
	150 V	10 A	30 - 12	-
Use group D				
	300 V	10 A	30 - 12	-

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

UKK 3-MSTBVH-5,08 - Double-level terminal block



2770846

<https://www.phoenixcontact.com/us/products/2770846>

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250102

ETIM

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

UNSPSC

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

UKK 3-MSTBVH-5,08 - Double-level terminal block



2770846
<https://www.phoenixcontact.com/us/products/2770846>

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	00b8bb0e-cee4-497e-92d3-aba3452c6d4f

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