

MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

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.



Mini protective conductor terminal block, number of connections: 2, number of positions: 1, connection method: Screw connection, Rated cross section: 1.5 mm², cross section: 0.14 mm² - 1.5 mm², mounting type: NS 15, color: green-yellow

Commercial data

Item number	3248027
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1161
GTIN	4046356817561
Weight per piece (including packing)	2.924 g
Weight per piece (excluding packing)	2.924 g
Customs tariff number	85369010
Country of origin	CN

MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

Technical data

Product properties

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

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	0 W

Connection data

Number of connections per level	2
Nominal cross section	1.5 mm ²
Rated cross section AWG	16
Connection method	Screw connection
Screw thread	M2
Note	Please observe the current carrying capacity of the DIN rails.
Tightening torque	0.22 ... 0.25 Nm
Stripping length	6 mm ... 7 mm
Internal cylindrical gage	A1
Conductor cross-section rigid	0.14 mm ² ... 1.5 mm ²
Cross section AWG	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross-section, flexible [AWG]	26 ... 16 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm ² ... 1.5 mm ²
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 16 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 0.75 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 0.75 mm ²
Nominal cross section	1.5 mm ²

Dimensions

Width	3.5 mm
End cover width	0.8 mm
Height	23.9 mm
Depth	23.3 mm
Depth on NS 15	24 mm

Material specifications

MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

Color	green-yellow
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

Mechanical properties

Mechanical data

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

Environmental and real-life conditions

Oscillation/broadband noise

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

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2018-05
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.)
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

MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

Mounting

Mounting type	NS 15
---------------	-------

MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

Drawings

Circuit diagram



MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3248027>

CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
Only flexible conductors	-	-	26 - 16	-
Only rigid conductors	-	-	26 - 14	-
D				
Only flexible conductors	-	-	26 - 16	-
Only rigid conductors	-	-	26 - 14	-

cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	-	-	26 - 16	-
Only rigid conductors	-	-	- 14	-
F				
	-	-	26 - 16	-
Only rigid conductors	-	-	- 14	-
D				
	-	-	26 - 16	-
Only rigid conductors	-	-	- 14	-

DNV Approval ID: TAE00003J4				
--------------------------------	--	--	--	--

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

MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

Classifications

ECLASS

ECLASS-13.0	27250103
ECLASS-15.0	27250103

ETIM

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

UNSPSC

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

MUT 1,5-PE - Mini protective conductor terminal block



3248027

<https://www.phoenixcontact.com/us/products/3248027>

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