

MSB 2,5-PE - Mini ground terminal block



3244151

<https://www.phoenixcontact.com/sg/products/3244151>

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 ground terminal block, number of connections: 2, connection method: Spring-cage connection, 1 level, cross section: 0.08 mm² - 4 mm², mounting type: NS 15, color: green-yellow

Your advantages

- Can be used in smaller terminal boxes
- Ideal for wiring in a small amount of space

Commercial data

Item number	3244151
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	BE2161
Catalog page	Page 222 (C-1-2019)
GTIN	4046356145435
Weight per piece (including packing)	5.06 g
Weight per piece (excluding packing)	5 g
Customs tariff number	85369010
Country of origin	CN

MSB 2,5-PE - Mini ground terminal block



3244151

<https://www.phoenixcontact.com/sg/products/3244151>

Technical data

Product properties

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

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	0.77 W

Connection data

Number of connections per level	2
Nominal cross section	2.5 mm²

1 level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm
Internal cylindrical gage	A3
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.08 mm² ... 4 mm²
Cross section AWG	28 ... 12 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm² ... 2.5 mm²
Conductor cross section, flexible [AWG]	28 ... 14 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm² ... 2.5 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm² ... 2.5 mm²
Connection in acc. with standard	IEC/EN 60079-7

Ex data

Rated data (ATEX/IECEx)

Identification	Ex II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3024177 D-MZB 1,5
	1204517 SZF 1-0,6X3,5
	3022263 CLIPFIX 15
output	(Permanent)

Ex connection data General

Nominal cross section	2.5 mm²
Rated cross section AWG	14

MSB 2,5-PE - Mini ground terminal block



3244151

<https://www.phoenixcontact.com/sg/products/3244151>

Connection capacity rigid	0.08 mm² ... 4 mm²
Connection capacity AWG	28 ... 12
Connection capacity flexible	0.08 mm² ... 2.5 mm²
Connection capacity AWG	28 ... 14

Dimensions

Width	5.2 mm
End cover width	4 mm
Height	32 mm
Depth	22 mm
Depth on NS 15	30 mm

Material specifications

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
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

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

MSB 2,5-PE - Mini ground terminal block



3244151

<https://www.phoenixcontact.com/sg/products/3244151>

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
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 ... 105 °C (max. short-term operating temperature 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 (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 60947-7-2
	IEC/EN 60079-7

Mounting

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

MSB 2,5-PE - Mini ground terminal block

3244151

<https://www.phoenixcontact.com/sg/products/3244151>



Drawings

Circuit diagram



MSB 2,5-PE - Mini ground terminal block



3244151

<https://www.phoenixcontact.com/sg/products/3244151>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3244151>

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

 IECEE CB Scheme Approval ID: DE1-63050				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	-	0.2 - 2.5

 cULus Recognized Approval ID: E60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	-	-	28 - 12	-
Use group C				
	-	-	28 - 12	-
Use group D				
	-	-	28 - 12	-

 VDE approval of drawings Approval ID: 40037304				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	-	-	-	0.2 - 2.5

 CCC Approval ID: 2020322313000629				
---	--	--	--	--

 EAC Ex Approval ID: KZ 7500525010101950				
---	--	--	--	--

 IEC Ex Approval ID: IECExPTB08.0048U				
--	--	--	--	--

 ATEX Approval ID: PTB08ATEX1075U				
--	--	--	--	--

MSB 2,5-PE - Mini ground terminal block

3244151

<https://www.phoenixcontact.com/sg/products/3244151>



UKCA-EX

Approval ID: CSAE 22UKEX1245U

MSB 2,5-PE - Mini ground terminal block



3244151

<https://www.phoenixcontact.com/sg/products/3244151>

Classifications

ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250103

ETIM

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

UNSPSC

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

MSB 2,5-PE - Mini ground terminal block



3244151

<https://www.phoenixcontact.com/sg/products/3244151>

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 SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg