

Mini ground terminal block - MUT 2,5-PE - 3248032

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Mini ground terminal block, Connection method: Screw connection, Number of connections: 2, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Width: 5.2 mm, Color: green-yellow, Mounting type: NS 15

Your advantages

- ✓ Space saving thanks to compact design and mounting option on a 15 mm DIN rail
- ✓ Clear arrangement thanks to marking of all terminal points
- ✓ Easy potential distribution thanks to standardized plug-in bridges



Key commercial data

package_quantity	50
GTIN	4046356801485

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	2.5 mm²
Color	green-yellow
Insulating material	PA
Flammability rating according to UL 94	V0

General

Rated surge voltage	6 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Open side panel	Yes
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie-mounted
Test frequency	f ₁ = 5 Hz to f ₂ = 250 Hz

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Technical data

General

ASD level	6.12 (m/s ²) ² /Hz
Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Dimensions

Width	5.2 mm
End cover width	2.2 mm
Length	29.9 mm
Height NS 15	34 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	24

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Technical data

Connection data

Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	12
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
Stripping length	9 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Standards and Regulations

Connection in acc. with standard	CSA
Connection in acc. with standard	IEC 60947-7-2
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
China RoHS	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141141
eCl@ss 9.0	27141141

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000901
ETIM 5.0	EC000901

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Classifications

ETIM

ETIM 6.0	EC000901
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UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

Approvals

IECEEx / ATEX / EAC Ex / CSA / UL Recognized / cUL Recognized / VDE Zeichengenehmigung / IECEx CB Scheme / GL / BV / DNV / EAC / EAC / cULus Recognized /

Approval details

IECEEx	
Nominal voltage UN	
Nominal current IN	
mm ² /AWG/kcmil	0.2-4

ATEX 	
Nominal voltage UN	
Nominal current IN	
mm ² /AWG/kcmil	0.2-4

EAC Ex

CSA 	
Nominal voltage UN	
Nominal current IN	
mm ² /AWG/kcmil	20-10

UL Recognized 		
Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm ² /AWG/kcmil	24-12	24-12

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Approvals

cUL Recognized 		
Usegroups	B	C
Nominal voltage UN		
Nominal current IN		
mm²/AWG/kcmil	24-12	24-12

VDE Zeichengenehmigung 	
Nominal voltage UN	500 V
Nominal current IN	
mm²/AWG/kcmil	0.2-1.5

IECEE CB Scheme 	
Nominal voltage UN	
Nominal current IN	
mm²/AWG/kcmil	0.2-2.5

GL 
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BV 
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DNV 

EAC 

EAC

cULus Recognized 
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Accessories

End cover

D-MUT 2,5/4 - 3248033



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Accessories

Screwdriver tools

SZS 0,6X3,5 - 1205053



Warning label printed

WS UT 2,5 - 3047923



Jumper

FBS 2-5 - 3030161



FBS 3-5 - 3030174



FBS 4-5 - 3030187



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Accessories

FBS 5-5 - 3030190



FBS 10-5 - 3030213



FBS 20-5 - 3030226



FBS 50-5 - 3038930



FBSR 2-5 - 3033702



FBSR 3-5 - 3001591



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Accessories

FBSR 4-5 - 3001592



FBSR 5-5 - 3001593



FBSR 10-5 - 3033710



DIN rail

NS 15 UNPERF 2000MM - 1401695



NS 15 PERF 2000MM - 1401682

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Accessories

NS 15 AL PERF 2000MM - 1401763



NS 15 WH PERF 2000MM - 1204096



End block

CLIPFIX 15 - 3022263



Terminal marking

ZB 5 :UNBEDRUCKT - 1050004



UC-TM 5 - 0818108



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Accessories

UCT-TM 5 - 0828734



Labeled terminal marker

ZB 5 CUS - 0824962



ZB 5,LGS:FORTL.ZAHLEN - 1050017



ZB 5,QR:FORTL.ZAHLEN - 1050020



ZB 5,LGS:GLEICHE ZAHLEN - 1050033



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Accessories

ZB 5,LGS:L1-N,PE - 1050415



UC-TM 5 CUS - 0824581



UCT-TM 5 CUS - 0829595



Test plug terminal block

MPS-MT - 0201744



PS-5 - 3030983



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Accessories

PS-5/2,3MM RD - 3038723



Insulating sleeve

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



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Accessories

MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



Partition plate

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Accessories

DP PS-5 - 3036725



Test socket

PAI-4-FIX-5/6 BU - 3035975



PAI-4-FIX-5/6 OG - 3035974



PAI-4-FIX-5/6 YE - 3035977



PAI-4-FIX-5/6 RD - 3035976



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Accessories

PAI-4-FIX-5/6 GN - 3035978



PAI-4-FIX-5/6 BK - 3035980



PAI-4-FIX-5/6 GY - 3035982



PAI-4-FIX-5/6 VT - 3035979



PAI-4-FIX-5/6 BN - 3035981



PAI-4-FIX-5/6 WH - 3035983



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Accessories

Drawings

Circuit diagram



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