

# Ground modular terminal block - ST 4-PE - 3031380

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Ground modular terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 28 - 10, Width: 6.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- Additional labeling options
- Tested for railway applications
- Corrosion-free terminal points
- Low contact resistance
- Green-yellow housing



## Key commercial data

package_quantity	50
GTIN	4017918186852

## Technical data

### General

Number of levels	1
Number of connections	2
Color	green-yellow
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
Area of application	Mechanical engineering
Area of application	Plant engineering
Area of application	Process industry

### General

Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-2

# Ground modular terminal block - ST 4-PE - 3031380

## Technical data

### General

Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, body mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.02 $\text{g}^2/\text{Hz}$
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise 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.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C

### Dimensions

Width	6.2 mm
Length	56 mm
Height NS 35/7,5	36.5 mm
Height NS 35/15	44 mm

### Connection data

Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	28
Max. AWG conductor cross section, stranded	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>

# Ground modular terminal block - ST 4-PE - 3031380

## Technical data

### Connection data

Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>
Connection method	Spring-cage connection
Minimum stripping length	8 mm
Maximum stripping length	10 mm
Internal cylindrical gage	A4

## classifications

### eCl@ss

eCl@ss 4.0	27141118
eCl@ss 4.1	27141118
eCl@ss 5.0	27141118
eCl@ss 5.1	27141118
eCl@ss 6.0	27141141
eCl@ss 7.0	27141141
eCl@ss 8.0	27141141

### ETIM

ETIM 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 5.0	EC000901

### UNSPSC

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

## approvals

IECEX / ATEX / CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / ABS / KR / NK / IECCEB Scheme / VDE Gutachten mit Fertigungsüberwachung / GOST / cULus Recognized /

### Approval details

IECEX
-------

# Ground modular terminal block - ST 4-PE - 3031380

## approvals

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.08-4

**ATEX**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.08-6

**CSA**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	28-10

**UL Recognized**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	28-10

**VDE Gutachten mit Fertigungsüberwachung**

Nominal voltage UN	
Nominal current IN	32 A
mm <sup>2</sup> /AWG/kcmil	0.2-4

**cUL Recognized**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	28-10

# Ground modular terminal block - ST 4-PE - 3031380

approvals

--	--

LR
----

<b>GL</b>	
Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	4

BV
----

DNV
-----

RS
----

<b>ABS</b>	
Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	20-10

KR
----

NK
----

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	4

Nominal voltage UN	

# Ground modular terminal block - ST 4-PE - 3031380

## approvals

Nominal current IN	32 A
mm <sup>2</sup> /AWG/kcmil	4



## accessories

### End cover

D-ST 4 - 3030420



### Partition plate

ATP-ST 4 - 3030721



### Screwdriver tools

SZF 1-0,6X3,5 - 1204517



### Terminal marking

## Ground modular terminal block - ST 4-PE - 3031380

### accessories

GBS 5-25X12 - 0810588



ZB 6:UNBEDRUCKT - 1051003



UC-TM 6 - 0818085



UCT-TM 6 - 0828736



ZBF 6:UNBEDRUCKT - 0808710



UC-TMF 6 - 0818140



# Ground modular terminal block - ST 4-PE - 3031380

accessories

---

UCT-TMF 6 - 0828746



## Marker carriers

GBS-ZB/26X6 - 0809298



CARRIER-TM 300 - 0828282



## Documentation

ST-IL - 3039900



## Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733





## Ground modular terminal block - ST 4-PE - 3031380

### accessories

NS 35/ 7,5 UNPERF 2000MM - 0801681



NS 35/ 7,5 WH PERF 2000MM - 1204119



NS 35/ 7,5 WH UNPERF 2000MM - 1204122



NS 35/ 7,5 AL UNPERF 2000MM - 0801704



NS 35/ 7,5 ZN PERF 2000MM - 1206421



NS 35/ 7,5 ZN UNPERF 2000MM - 1206434



## Ground modular terminal block - ST 4-PE - 3031380

accessories

---

NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



## Ground modular terminal block - ST 4-PE - 3031380

### accessories

NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



## Ground modular terminal block - ST 4-PE - 3031380

accessories

---

NS 35/15-2,3 UNPERF 2000MM - 1201798



---

### Labeled terminal marker

ZB 6 CUS - 0824992



---

UC-TM 6 CUS - 0824589



---

UCT-TM 6 CUS - 0829602



---

ZBF 6 CUS - 0825027



## Ground modular terminal block - ST 4-PE - 3031380

### accessories

UC-TMF 6 CUS - 0824646



UCT-TMF 6 CUS - 0829665



### Insulating sleeve

ISH 4/0,5 - 3002885



ISH 4/1,0 - 3002898



### End block

CLIPFIX 35 - 3022218



## Ground modular terminal block - ST 4-PE - 3031380

### accessories

CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



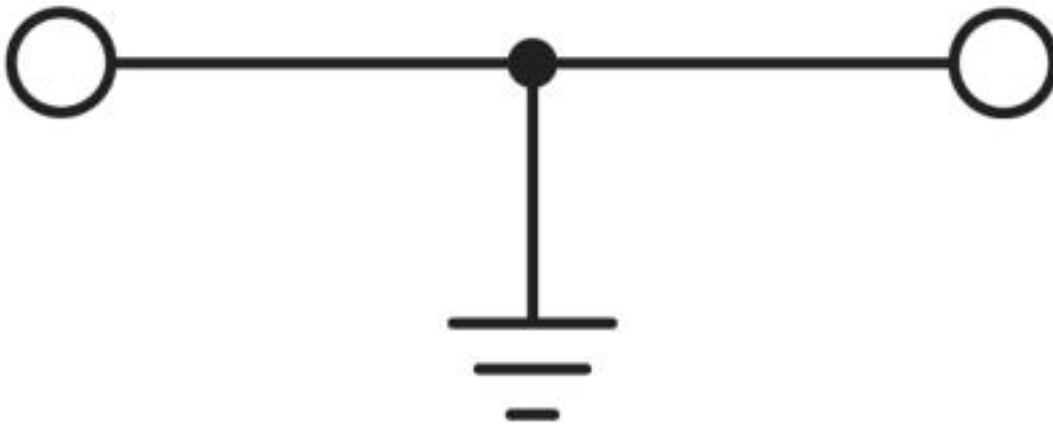
E/UK 1 - 1201413



### Drawings

## Ground modular terminal block - ST 4-PE - 3031380

Circuit diagram



© Phoenix Contact 2013 - all rights reserved  
<http://www.phoenixcontact.com>