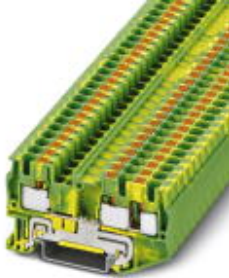


# Ground modular terminal block - PT 4-TWIN-PE - 3211780

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Ground modular terminal block, Connection method: Push-in connection, Cross section: 0.2 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 24 - 10, Width: 6.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- The push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- The compact design and front connection enable wiring in a confined space
- In addition to the testing facility in the double function shaft, all terminal blocks provide an additional test connection
- Tested for railway applications

## Key commercial data

package_quantity	50
GTIN	4046356482622

## Technical data

### General

Number of levels	1
Number of connections	3
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
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed

# Ground modular terminal block - PT 4-TWIN-PE - 3211780

## Technical data

### General

<b>Finger protection</b>	guaranteed
<b>Test specification, oscillation, broadband noise</b>	DIN EN 50155 (VDE 0115-200):2008-03
<b>Test spectrum</b>	Service life test category 1, class B, body mounted
<b>Test frequency</b>	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
<b>ASD level</b>	$1.857 \text{ (m/s}^2\text{)}^2\text{/Hz}$
<b>Acceleration</b>	0.8 g
<b>Test duration per axis</b>	5 h
<b>Test directions</b>	X-, Y- and Z-axis
<b>Oscillation, broadband noise test result</b>	Test passed
<b>Test specification, shock test</b>	DIN EN 50155 (VDE 0115-200):2008-03
<b>Shock form</b>	Half-sine
<b>Acceleration</b>	5 g
<b>Shock duration</b>	30 ms
<b>Number of shocks per direction</b>	3
<b>Test directions</b>	X-, Y- and Z-axis (pos. and neg.)
<b>Shock test result</b>	Test passed
<b>Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))</b>	130 °C
<b>Static insulating material application in cold</b>	-60 °C

### Dimensions

<b>Width</b>	6.2 mm
<b>Length</b>	66.5 mm
<b>Height NS 35/7,5</b>	36.5 mm
<b>Height NS 35/15</b>	44 mm

### Connection data

<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	6 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	10
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	4 mm <sup>2</sup>
<b>Min. AWG conductor cross section, stranded</b>	24
<b>Max. AWG conductor cross section, stranded</b>	12
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	4 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.25 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	4 mm <sup>2</sup>

# Ground modular terminal block - PT 4-TWIN-PE - 3211780

## Technical data

### Connection data

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	Push-in 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

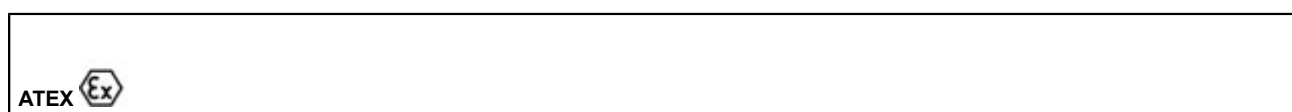
### UNSPSC

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

## approvals

ATEX / IECEx / UL Recognized / cUL Recognized / GL / CSA / LR / VDE Zeichengenehmigung / IECCEB Scheme / cULus Recognized /

### Approval details



# Ground modular terminal block - PT 4-TWIN-PE - 3211780

## approvals

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

**IECEX**

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

**UL Recognized**

Usegroups	B	C	D
Nominal voltage UN			
Nominal current IN			
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	24-10

**cUL Recognized**

Usegroups	B	C	D
Nominal voltage UN			
Nominal current IN			
mm <sup>2</sup> /AWG/kcmil	24-10	24-10	24-10

**GL**

**CSA**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	24-10

**LR**

**VDE Zeichengenehmigung**

# Ground modular terminal block - PT 4-TWIN-PE - 3211780

## approvals

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

IECEE CB Scheme	
Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.2-4

cULus Recognized	
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## accessories

### End cover

D-PT 4-TWIN - 3208977



DP PS-6 - 3036738



### Partition plate

ATP-ST-TWIN - 3030789



# Ground modular terminal block - PT 4-TWIN-PE - 3211780

accessories

## Screwdriver tools

SZF 1-0,6X3,5 - 1204517



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## Terminal marking

GBS 5-25X12 - 0810588



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ZB 6:UNBEDRUCKT - 1051003



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UC-TM 6 - 0818085



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UCT-TM 6 - 0828736



## Ground modular terminal block - PT 4-TWIN-PE - 3211780

### accessories

ZBF 6:UNBEDRUCKT - 0808710



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UC-TMF 6 - 0818140



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UCT-TMF 6 - 0828746



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TMT 6 R - 0816498



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TMT (EX9,5)R - 0828295



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### Marker carriers

# Ground modular terminal block - PT 4-TWIN-PE - 3211780

## accessories

GBS-ZB/26X6 - 0809298



CARRIER-TM 300 - 0828282



## Documentation

PT-IL - 3208090



## Bridge

FBS 2-6 - 3030336



FBS 3-6 - 3030242





## Ground modular terminal block - PT 4-TWIN-PE - 3211780

### accessories

FBS 4-6 - 3030255



FBS 5-6 - 3030349



FBS 10-6 - 3030271



FBS 20-6 - 3030365



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



## Ground modular terminal block - PT 4-TWIN-PE - 3211780

### 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 - PT 4-TWIN-PE - 3211780

accessories

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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 - PT 4-TWIN-PE - 3211780

### 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 - PT 4-TWIN-PE - 3211780

accessories

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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 - PT 4-TWIN-PE - 3211780

### accessories

UC-TMF 6 CUS - 0824646



UCT-TMF 6 CUS - 0829665



TMT 6 R CUS - 0824488



### Test plug terminal block

MPS-MT - 0201744



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



## Ground modular terminal block - PT 4-TWIN-PE - 3211780

### accessories

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



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



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



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



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



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



# Ground modular terminal block - PT 4-TWIN-PE - 3211780

## accessories

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



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



PS-6 - 3030996



PS-6/2,3MM RD - 3038736



## Insulating sleeve

MPS-IH WH - 0201663





# Ground modular terminal block - PT 4-TWIN-PE - 3211780

## accessories

MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



## Ground modular terminal block - PT 4-TWIN-PE - 3211780

accessories

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ISH 4/0,5 - 3002885



ISH 4/1,0 - 3002898



### Planning and marking software

CLIP-PROJECT ADVANCED - 5146040



CLIP-PROJECT PROFESSIONAL - 5146053



### End block

CLIPFIX 35 - 3022218



# Ground modular terminal block - PT 4-TWIN-PE - 3211780

accessories

CLIPFIX 35-5 - 3022276

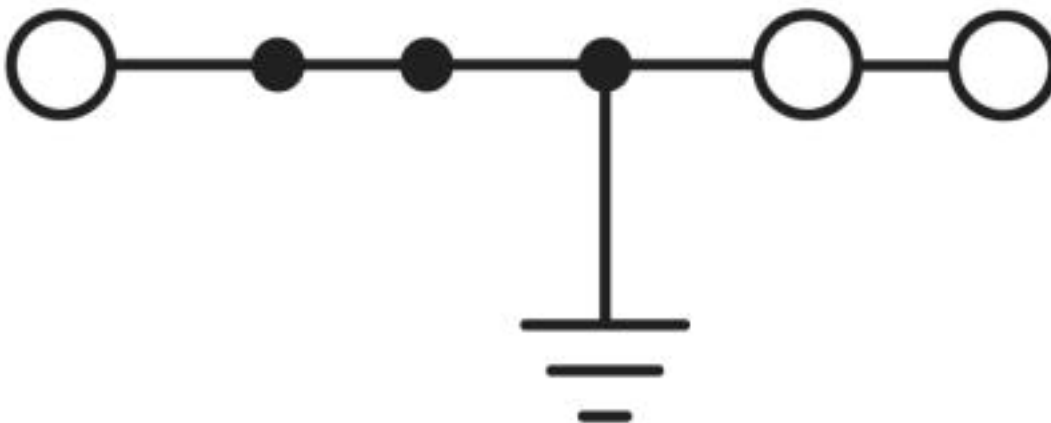


E/NS 35 N - 0800886



## Drawings

Circuit diagram



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