

# Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

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Double-level spring-cage terminal block, With equipotential bonder, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Connection type: Spring-cage connection, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- Compact design for maximum space savings
- Tested for railway applications
- Connect the levels using FBS ...-PV bridges



## Key commercial data

package_quantity	50
GTIN	4017918176297

## Technical data

### General

Number of levels	2
Number of connections	4
Color	gray
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	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	22 A (the maximum load current must not be exceeded by the total current of all connected conductors)
Nominal voltage U <sub>N</sub>	500 V

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## Technical data

### General

Open side panel	ja
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### Dimensions

Width	5.2 mm
Length	67.5 mm
Height NS 35/7,5	47.5 mm
Height NS 35/15	55 mm

### Connection data

Connection method	Spring-cage connection
Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	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.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Stripping length	10 mm
Internal cylindrical gage	A3

## classifications

### eCl@ss

eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

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## classifications

### UNSPSC

<b>UNSPSC 6.01</b>	30211811
<b>UNSPSC 7.0901</b>	39121410
<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410

## approvals

IECEEx / ATEX / CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / IECCE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / IECCE CB Scheme / GOST / cULus Recognized /

### Approval details

<b>IECEEx</b>	
Nominal voltage UN	440 V
Nominal current IN	19.5 A
mm <sup>2</sup> /AWG/kcmil	0.08-2.5

<b>ATEX</b>	
Nominal voltage UN	440 V
Nominal current IN	19.5 A
mm <sup>2</sup> /AWG/kcmil	0.08-2.5

<b>CSA</b>		
<b>Usegroups</b>	<b>B</b>	<b>C</b>
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	20 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12

<b>UL Recognized</b>			
<b>Usegroups</b>	<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12

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approvals

**VDE Gutachten mit Fertigungsüberwachung**

Nominal voltage UN	500 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

**cUL Recognized**

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12	28-12

**GOST**

**LR**

**GL**

Nominal voltage UN	500 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	2.5

**BV**

**DNV**

**RS**

**IECEE CB Scheme**

Nominal voltage UN	500 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

# Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

approvals

Nominal voltage UN	500 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

Nominal voltage UN	500 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	2.5



accessories

**End cover**

D-STTB 2,5 - 3030459



DP PS-5 - 3036725



**Partition plate**

## Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

accessories

ATP-STTB 4 - 3030747



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### Screwdriver tools

SZF 1-0,6X3,5 - 1204517



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### Marker carriers

STP 5-2 - 0800967



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### Labeled terminal marker

WST 2,5 - 3030941



ZBF 5 CUS - 0825025



## Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

### accessories

ZBF 5,LGS:FORTL.ZAHLEN - 0808671



ZBF 5,QR:FORTL.ZAHLEN - 0808697



ZBF 5,LGS:GERADE ZAHLEN - 0810821



ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



UC-TMF 5 CUS - 0824638



UCT-TMF 5 CUS - 0829658



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accessories

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## Documentation

ST-IL - 3039900



## Bridge

FBS 20-5 - 3030226



FBS 10-5 - 3030213



FBS 5-5 - 3030190



FBS 4-5 - 3030187





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### accessories

FBS 3-5 - 3030174



FBS 2-5 - 3030161



FBS 50-5 - 3038930



FBSR 2-5 - 3033702



FBSR 3-5 - 3001591



FBSR 4-5 - 3001592



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## accessories

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FBSR 5-5 - 3001593



FBSR 10-5 - 3033710



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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### accessories

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



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



NS 35/ 7,5 CAP - 1206560



## Double-level spring-cage terminal block - STTB 2,5-PV - 3031539 accessories

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NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



## Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

accessories

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



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



**Terminal marking**

## Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

accessories

ZBF 5:UNBEDRUCKT - 0808642



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UC-TMF 5 - 0818153



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UCT-TMF 5 - 0828744



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### Insulating sleeve

ISH 2,5/0,2 - 3002843



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ISH 2,5/0,5 - 3002856



## Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

accessories

ISH 2,5/1,0 - 3002869



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### Test plug terminal block

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



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



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



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



## Double-level spring-cage terminal block - STTB 2,5-PV - 3031539

### 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



PS-5 - 3030983





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## accessories

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PS-5/2,3MM RD - 3038723



### End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



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accessories

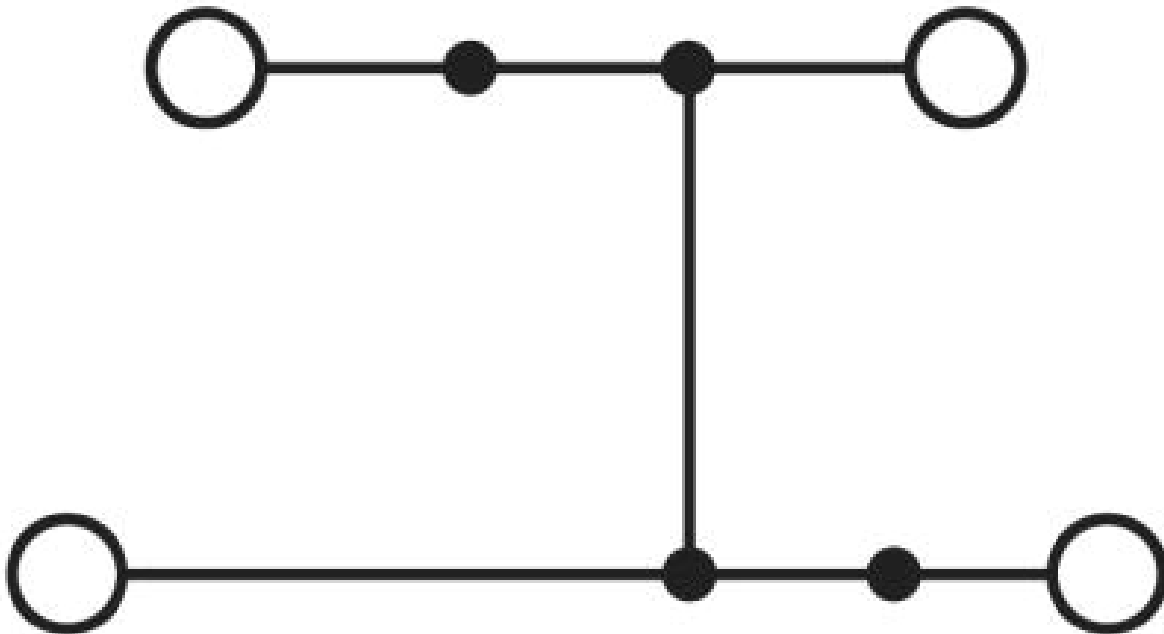
E/UK 1 - 1201413



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## Drawings

Circuit diagram



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