

# Spring cage ground terminal block - STS 2,5-PE - 3036411

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Spring cage ground terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 5.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- Same shape and pitch as the feed-through terminal blocks
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of standard IEC 60947-7-2 are met



## Key commercial data

package_quantity	50
GTIN	4017918876968

## Technical data

### General

Number of levels	1
Number of connections	2
Color	green-yellow
Insulating material	PA
Inflammability class according to UL 94	V0

### 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
Finger protection	guaranteed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie mounted

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## Technical data

### General

<b>Test frequency</b>	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 250 Hz
<b>ASD level</b>	6.12 (m/s <sup>2</sup> ) <sup>2</sup> /Hz
<b>Acceleration</b>	3.12 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>	30 g
<b>Shock duration</b>	18 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>	125 °C
<b>Static insulating material application in cold</b>	-60 °C

### Dimensions

<b>Width</b>	5.2 mm
<b>Length</b>	50.8 mm
<b>Height NS 35/7,5</b>	43 mm
<b>Height NS 35/15</b>	50.5 mm

### Connection data

<b>Connection in acc. with standard</b>	IEC 60947-7-2
<b>Connection method</b>	Spring-cage connection
<b>Conductor cross section solid min.</b>	0.08 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	4 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	28
<b>Conductor cross section AWG/kcmil max</b>	12
<b>Conductor cross section stranded min.</b>	0.08 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Min. AWG conductor cross section, stranded</b>	28
<b>Max. AWG conductor cross section, stranded</b>	14
<b>Conductor cross section stranded, with ferrule without plastic sleeve min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule without plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded, with ferrule with plastic sleeve max.</b>	2.5 mm <sup>2</sup>
<b>2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.</b>	0.5 mm <sup>2</sup>

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## Technical data

### Connection data

<b>Stripping length</b>	10 mm
<b>Internal cylindrical gage</b>	A3

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27141118
<b>eCl@ss 4.1</b>	27141118
<b>eCl@ss 5.0</b>	27141118
<b>eCl@ss 5.1</b>	27141118
<b>eCl@ss 6.0</b>	27141141
<b>eCl@ss 7.0</b>	27141141
<b>eCl@ss 8.0</b>	27141141

### ETIM

<b>ETIM 2.0</b>	EC000901
<b>ETIM 3.0</b>	EC000901
<b>ETIM 4.0</b>	EC000901
<b>ETIM 5.0</b>	EC000901

### 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

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

### Approval details

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.08-2.5

### IECEx

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## approvals

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	0.08-2.5

**CSA**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	28-12

**UL Recognized**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	28-12

**VDE Gutachten mit Fertigungsüberwachung**

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

**cUL Recognized**

Nominal voltage UN	
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	28-12

**GOST**

**LR**

# Spring cage ground terminal block - STS 2,5-PE - 3036411

approvals

GL

BV

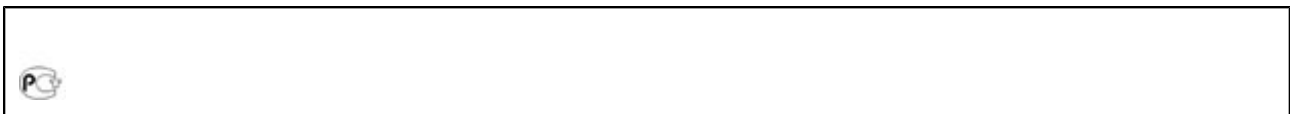
DNV

RS

KR

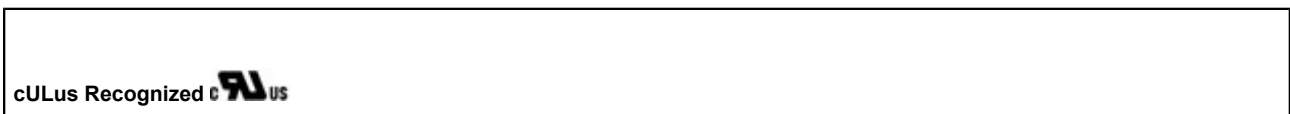
**IECEE CB Scheme**

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



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

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



# Spring cage ground terminal block - STS 2,5-PE - 3036411

accessories

## End cover

D-ST5 2,5 - 3031762



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## Screwdriver tools

SZF 1-0,6X3,5 - 1204517



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## Marker pen

X-PEN 0,35 - 0811228



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B-STIFT - 1051993



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## Documentation

ST-IL - 3039900



# Spring cage ground terminal block - STS 2,5-PE - 3036411

accessories

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## Bridge

FBSR 2-5 - 3033702



FBSR 3-5 - 3001591



FBSR 4-5 - 3001592



FBSR 5-5 - 3001593



FBSR 10-5 - 3033710



## Mounting rail

## Spring cage ground terminal block - STS 2,5-PE - 3036411

### accessories

NS 35/ 7,5 PERF 2000MM - 0801733



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





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## accessories

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



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



NS 35/ 7,5 CAP - 1206560



## Terminal marking

ZB 5 :UNBEDRUCKT - 1050004



UC-TM 5 - 0818108



## Spring cage ground terminal block - STS 2,5-PE - 3036411

accessories

UCT-TM 5 - 0828734



ZBF 5:UNBEDRUCKT - 0808642



UC-TMF 5 - 0818153



UCT-TMF 5 - 0828744



**Labeled terminal marker**

ZB 5 CUS - 0824962



## Spring cage ground terminal block - STS 2,5-PE - 3036411

### accessories

ZB 5,LGS:FORTL.ZAHLEN - 1050017



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ZB 5,QR:FORTL.ZAHLEN - 1050020



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ZB 5,LGS:GLEICHE ZAHLEN - 1050033



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



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UC-TM 5 CUS - 0824581



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UCT-TM 5 CUS - 0829595



# Spring cage ground terminal block - STS 2,5-PE - 3036411

## accessories

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ZBF 5 CUS - 0825025



ZBF 5,LGS:FORTL.ZAHLEN - 0808671



ZBF 5,QR:FORTL.ZAHLEN - 0808697



ZBF 5,LGS:GERADE ZAHLEN - 0810821



ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



## Spring cage ground terminal block - STS 2,5-PE - 3036411

### accessories

UC-TMF 5 CUS - 0824638



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UCT-TMF 5 CUS - 0829658



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### Insulating sleeve

ISH 2,5/0,2 - 3002843



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ISH 2,5/0,5 - 3002856



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ISH 2,5/1,0 - 3002869

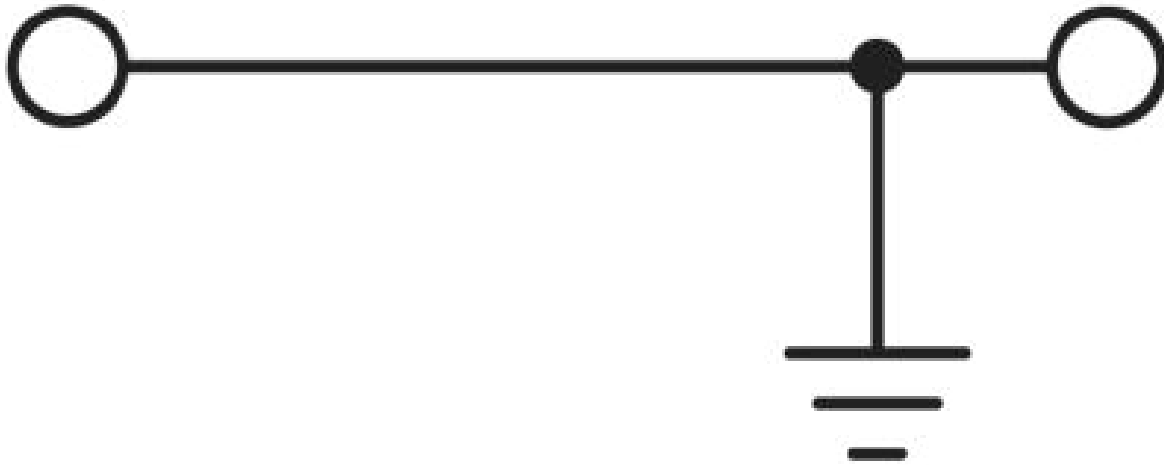


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### Drawings

## Spring cage ground terminal block - STS 2,5-PE - 3036411

Circuit diagram



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