

# STTBS 4-PE - Protective conductor double-level terminal block



3035072

<https://www.phoenixcontact.com/us/products/3035072>

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Protective conductor double-level terminal block, number of connections: 4, connection method: Spring-cage connection, 1st and 2nd level, cross section: 0.08 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: green-yellow

## Your advantages

- Two large-surface labeling options

## Commercial data

Item number	3035072
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BE02
Product key	BE2124
Catalog page	Page 234 (C-1-2019)
GTIN	4046356053518
Weight per piece (including packing)	23.2 g
Weight per piece (excluding packing)	23.2 g
Customs tariff number	85369010
Country of origin	PL

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## Technical data

### Product properties

Product type	Ground terminal block
Number of connections	4
Number of rows	2

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	6 kV
Maximum power dissipation for nominal condition	1.02 W

### Connection data

Grounding foot	Yes
Number of connections per level	2
Nominal cross section	4 mm <sup>2</sup>

### 1st and 2nd level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section rigid	0.08 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm <sup>2</sup> ... 4 mm <sup>2</sup>

### Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height	92.4 mm
Depth on NS 35/7,5	55 mm
Depth on NS 35/15	62.5 mm

### Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE	130 °C

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Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

## Mechanical properties

### Mechanical data

Open side panel	Yes
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## Environmental and real-life conditions

### Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	0.964 (m/s <sup>2</sup> )/Hz
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

### Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

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Connection in acc. with standard	IEC 60947-7-2
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## Mounting

Mounting type	NS 35/7,5
	NS 35/15

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3035072>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
Use group B	-	-	20 - 10	-
Use group C	-	-	20 - 10	-
Use group D	-	-	20 - 10	-


 <b>IECEE CB Scheme</b> Approval ID: DE1-62971_M1				
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 <b>EAC</b> Approval ID: RU C-DE.BL08.B.00644				
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 <b>LR</b> Approval ID: LR21234196TA				
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 <b>NK</b> Approval ID: 06ME279				
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 <b>RS</b> Approval ID: 22.44.01.00083.250				
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 <b>VDE Zeichengenehmigung</b> Approval ID: 40010331				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	-	-	-	0.2 - 4

<b>ABS</b> Approval ID: 21-2158220-PDA				
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 <b>cULus Recognized</b> Approval ID: E60425				
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	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B	-	-	28 - 10	-
Use group C	-	-	28 - 10	-
Use group D	-	-	28 - 10	-

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## Classifications

### ECLASS

ECLASS-11.0	27141141
ECLASS-13.0	27250104

### ETIM

ETIM 8.0	EC000901
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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