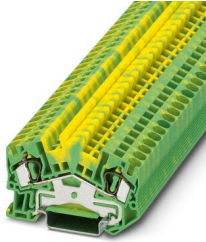


Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

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 documentation. Our General Terms of Use for Downloads are valid.



Spring cage ground terminal block, number of connections: 2, connection method: Spring-cage connection, 1 level, cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: green-yellow

Your advantages

- 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

Spring cage ground terminal block - STS 4-PE



3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Commercial Data

Item number	3036440
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	A1 - Reihenklennen
Product Key	BE2121
Catalog Page	Page 233 (C-1-2019)
GTIN	4017918876999
Weight per Piece (including packing)	15,5 g
Weight per Piece (excluding packing)	14,74 g
Customs tariff number	85369010
Country of origin	DE

Spring cage ground terminal block - STS 4-PE



3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Technical Data

Product properties

Product type	Ground terminal block
Number of connections	2
Number of rows	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 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 ²

1 level

Note	Please observe the current carrying capacity of the DIN rails.
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A4
Conductor cross section solid	0.08 mm ² ... 6 mm ²
Cross section AWG	28 ... 10
Conductor cross section flexible	0.08 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	28 ... 12
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²

Ex data

Rated data (ATEX/IECEX)

ATEX certificate	PTB 07 ATEX 1027 U
IEC Ex certificate	IECEX PTB 07.0024 U
Identification	□ II 2 G Ex eb IIC Gb
Operating temperature range	-60 °C ... 110 °C
Ex-certified accessories	3031704 D-ST5 4 1204517 SZF 1-0,6X3,5 3022276 CLIPFIX 35-5 3022218 CLIPFIX 35

Ex connection data General

Nominal cross section	4 mm ²
-----------------------	-------------------

Spring cage ground terminal block - STS 4-PE



3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Rated cross section AWG	12
Connection capacity rigid	0.08 mm ² ... 6 mm ²
Connection capacity AWG	28 ... 10
Connection capacity flexible	0.08 mm ² ... 4 mm ²
Connection capacity AWG	28 ... 12

Dimensions

Width	6.2 mm
End cover width	2.2 mm
Height NS 35/15	50.5 mm
Height NS 35/7,5	43 mm
Length	64.5 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 0304-21))	125 °C
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)	27,5 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
-----------------	-----

Environmental and real-life conditions

Oscillation/broadband noise

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Spectrum	Service life test category 2, bogie-mounted
Frequency	f ₁ = 5 Hz to f ₂ = 250 Hz
ASD level	6.12 (m/s ²) ² /Hz
Acceleration	3.12g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis

Spring cage ground terminal block - STS 4-PE



3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Result	Test passed
--------	-------------

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	30g
Shock duration	18 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

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

Mounting

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

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Drawings

Circuit diagram



Spring cage ground terminal block - STS 4-PE




3036440


<https://www.phoenixcontact.com/de/produkte/3036440>

Approvals

 CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			28 - 10	-

 IECEE CB Scheme Approval ID: DE1-62971_M1				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 LR Approval ID: 06/20022				
--	--	--	--	--


 ClassNK NK Approval ID: 06ME279				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 RS Approval ID: 17.00013.272				
--	--	--	--	--

 BV Approval ID: 27725/A0 BV				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 VDE Zeichengenehmigung Approval ID: 40010331				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	0.2 - 4

ABS Approval ID: 21-2158220-PDA				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2

Spring cage ground terminal block - STS 4-PE





3036440


<https://www.phoenixcontact.com/de/produkte/3036440>


Use group B	28 - 10	-
Use group C	28 - 10	-


DNV Approval ID: TAE00001CS				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

 EAC Ex Approval ID: RU C-DE.HA91.B.00066
--

 IECEX Approval ID: IECEXPTB07.0024U
--

 ATEX Approval ID: PTB07ATEX1027U
--

 CCC Approval ID: 2020322313000621

 NEPSI Approval ID: GYJ20.1193U
--

Spring cage ground terminal block - STS 4-PE



3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Classifications

ECLASS

ECLASS-9.0	27141141
ECLASS-10.0.1	27141141
ECLASS-11.0	27141141

ETIM

ETIM 8.0	EC000901
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

Spring cage ground terminal block - STS 4-PE



3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Environmental Product Compliance

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

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Accessories

Plug-in bridge

Plug-in bridge - FBSR 2-6 - 3033715

<https://www.phoenixcontact.com/de/produkte/3033715>



Plug-in bridge, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBSR 3-6 - 3001594

<https://www.phoenixcontact.com/de/produkte/3001594>



Plug-in bridge, pitch: 6.2 mm, color: red

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Plug-in bridge

Plug-in bridge - FBSR 4-6 - 3001595

<https://www.phoenixcontact.com/de/produkte/3001595>



Plug-in bridge, pitch: 6.2 mm, color: red

Plug-in bridge

Plug-in bridge - FBSR 5-6 - 3001596

<https://www.phoenixcontact.com/de/produkte/3001596>



Plug-in bridge, pitch: 6.2 mm, color: red

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>



Plug-in bridge

Plug-in bridge - FBSR 10-6 - 3033716

<https://www.phoenixcontact.com/de/produkte/3033716>

Plug-in bridge, pitch: 6.2 mm, color: red



Short-circuit connector

Short-circuit connector - FBSRH 2-6 - 3033812

<https://www.phoenixcontact.com/de/produkte/3033812>

Short-circuit connector, pitch: 6.2 mm, color: red



Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

End cover

End cover - D-ST5 4 - 3031704

<https://www.phoenixcontact.com/de/produkte/3031704>

End cover, length: 64.5 mm, width: 2.2 mm, height: 43 mm, color: gray



DIN rail perforated

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

<https://www.phoenixcontact.com/de/produkte/0801733>

DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)



Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Screwdriver

Screwdriver - SZF 1-0,6X3,5 - 1204517

<https://www.phoenixcontact.com/de/produkte/1204517>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681

<https://www.phoenixcontact.com/de/produkte/0801681>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver, Pack of 25 (50 m)

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Mounting material

Mounting material - ST-IL - 3039900

<https://www.phoenixcontact.com/de/produkte/3039900>

Operating decal for the ST terminal block



DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1204119>



DIN rail perforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 25 (50 m)

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Actuation tool

Actuation tool - ST-BW - 1207608

<https://www.phoenixcontact.com/de/produkte/1207608>

Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages



DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 WH UNPERF 2000MM-VPE 10 - 1204122

<https://www.phoenixcontact.com/de/produkte/1204122>



DIN rail, unperforated, acc. to EN 60715, material: Steel, Galvanized, white passivated, Standard profile, color: silver, Pack of 10 (20 m)

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

End cover

End cover - D-ST5 4 OG - 3037591

<https://www.phoenixcontact.com/de/produkte/3037591>

End cover, length: 64.5 mm, width: 2.2 mm, height: 43 mm, color: orange



DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/0801704>



DIN rail, unperforated, acc. to EN 60715, material: Aluminum, uncoated, Standard profile, color: silver, Pack of 25 (50 m)

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

DIN rail perforated

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

<https://www.phoenixcontact.com/de/produkte/1206421>



DIN rail perforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

DIN rail, unperforated

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

<https://www.phoenixcontact.com/de/produkte/1206434>



DIN rail, unperforated, acc. to EN 60715, material: Steel, galvanized, Standard profile, color: silver, Pack of 25 (50 m)

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

DIN rail, unperforated

DIN rail, unperforated - NS 35/ 7,5 CU UNPERF 2000MM-VPE 10 - 0801762

<https://www.phoenixcontact.com/de/produkte/0801762>



DIN rail, unperforated, acc. to EN 60715, material: Copper, uncoated, Standard profile, color: copper-colored, Pack of 10 (20 m)

End cap

End cap - NS 35/ 7,5 CAP - 1206560

<https://www.phoenixcontact.com/de/produkte/1206560>

DIN rail end piece, for DIN rail NS 35/7.5



Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Zack marker strip

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003

<https://www.phoenixcontact.com/de/produkte/1051003>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Zack marker strip

Zack marker strip - ZB 6 CUS - 0824992

<https://www.phoenixcontact.com/de/produkte/0824992>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Zack marker strip

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016

<https://www.phoenixcontact.com/de/produkte/1051016>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6. 15 x 10.5 mm, Number of individual labels: 10

Zack marker strip

Zack marker strip - ZB 6,QR:FORTL.ZAHLEN - 1051029

<https://www.phoenixcontact.com/de/produkte/1051029>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6. 15 x 10.5 mm, Number of individual labels: 10

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Zack marker strip

Zack marker strip - ZB 6,LGS:GLEICHE ZAHLEN - 1051032

<https://www.phoenixcontact.com/de/produkte/1051032>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks

Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414

<https://www.phoenixcontact.com/de/produkte/1051414>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Marker for terminal blocks

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430

<https://www.phoenixcontact.com/de/produkte/1051430>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: U, V, W, N, GND, U, V, W, N, GND, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

Marker for terminal blocks

Marker for terminal blocks - UC-TM 6 - 0818085

<https://www.phoenixcontact.com/de/produkte/0818085>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Marker for terminal blocks

Marker for terminal blocks - UC-TM 6 CUS - 0824589

<https://www.phoenixcontact.com/de/produkte/0824589>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

Marker for terminal blocks

Marker for terminal blocks - UCT-TM 6 - 0828736

<https://www.phoenixcontact.com/de/produkte/0828736>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Marker for terminal blocks

Marker for terminal blocks - UCT-TM 6 CUS - 0829602

<https://www.phoenixcontact.com/de/produkte/0829602>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

Insulating sleeve

Insulating sleeve - ISH 4/0,5 - 3002885

<https://www.phoenixcontact.com/de/produkte/3002885>



Insulating sleeve, color: gray

Spring cage ground terminal block - STS 4-PE

3036440

<https://www.phoenixcontact.com/de/produkte/3036440>

Insulating sleeve

Insulating sleeve - ISH 4/1,0 - 3002898

<https://www.phoenixcontact.com/de/produkte/3002898>

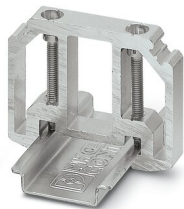


Insulating sleeve, color: black

End clamp

End clamp - E/AL-NS 35 - 1201662

<https://www.phoenixcontact.com/de/produkte/1201662>



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

Phoenix Contact 2022 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstraße 8
D-32825 Blomberg
+49 52 35/3-1 20 00
info@phoenixcontact.de