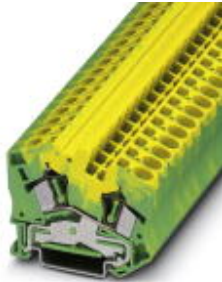


Spring cage ground terminal block - STS 6-PE - 3038147

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Spring cage ground terminal block, Connection method: Spring-cage connection, Cross section: 0.2 mm² - 10 mm², AWG: 24 - 8, Width: 8.2 mm, Color: green-yellow, Mounting type: NS 35/7,5, NS 35/15

Why buy this product

- ✓ 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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 928964
GTIN	4017918928964
Weight per Piece (excluding packing)	24.550 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

General

Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	6 mm ²
Color	green-yellow
Insulating material	PA
Flammability rating according to UL 94	V0

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Technical data

General

Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Open side panel	Yes
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Oscillation, broadband noise test result	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 2, bogie mounted
Test frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$
ASD level	$6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$
Acceleration	3.12 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Shock test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	30g
Shock duration	18 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Behavior in fire for rail vehicles (DIN 5510-2)	Test passed
Flame test method (DIN EN 60695-11-10)	V0
Oxygen index (DIN EN ISO 4589-2)	>32 %
NF F16-101, NF F10-102 Class I	2
NF F16-101, NF F10-102 Class F	2
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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

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Technical data

General

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

Dimensions

Width	8.2 mm
End cover width	2.2 mm
Length	58 mm
Height NS 35/7,5	50 mm
Height NS 35/15	57.5 mm

Connection data

Note	Please observe the current carrying capacity of the DIN rails.
Connection method	Spring-cage connection
Connection in acc. with standard	IEC 60947-7-2
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	8
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	6 mm ²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Stripping length	12 mm
Internal cylindrical gage	A5

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-2
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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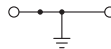
Technical data

Environmental Product Compliance

	No hazardous substances above threshold values
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Drawings

Circuit diagram



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
eCl@ss 9.0	27141141

ETIM

ETIM 2.0	EC000901
ETIM 3.0	EC000901
ETIM 4.0	EC000901
ETIM 5.0	EC000901
ETIM 6.0	EC000901

UNSPSC

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

Approvals

Approvals

Spring cage ground terminal block - STS 6-PE - 3038147


Approvals


Approvals


CSA / UL Recognized / cUL Recognized / LR / BV / RS / ABS / VDE Zeichengenehmigung / IECEE CB Scheme / EAC / EAC / DNV GL / NK / DNV GL / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
mm ² /AWG/kcmil		24-8	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm ² /AWG/kcmil		24-8	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm ² /AWG/kcmil		24-8	

LR		http://www.lr.org/en	06/20022
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BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	27725/A0 BV
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RS		http://www.rs-head.spb.ru/en/index.php	11.04057.250
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Spring cage ground terminal block - STS 6-PE - 3038147

Approvals

ABS		http://www.eagle.org/eagleExternalPortalWEB/	16-HG1517580-PDA
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VDE Zeichengenehmigung		http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx	40038075
mm ² /AWG/kcmil	0.2-6.0		

IECEE CB Scheme		http://www.iecee.org/	DE1-52687
mm ² /AWG/kcmil	0.2-6.0		

EAC		EAC-Zulassung	
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EAC		7500651.22.01.00246	
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DNV GL	https://www.dnvgl.com/	E-13345 (E-9232)
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NK		http://www.classnk.or.jp/hp/en/	06ME279
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DNV GL	https://www.dnvgl.com/	TAE00001CS
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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Accessories

Accessories

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

DIN rail

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



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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Accessories

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



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

Documentation

Mounting material - ST-IL - 3039900



Operating decal for the ST terminal block

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

End block

End clamp - E/AL-NS 35 - 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

End cover

End cover - D-ST5 6 - 3038189



End cover, Length: 58 mm, Width: 2.2 mm, Height: 50 mm, Color: gray

Jumper

Plug-in bridge - FBS 2-8 - 3030284



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 14.7 mm, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-8 - 3030297



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 22.9 mm, Number of positions: 3, Color: red

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

Plug-in bridge - FBS 4-8 - 3030307



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 31.1 mm, Number of positions: 4, Color: red

Plug-in bridge - FBS 5-8 - 3030310



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 39.3 mm, Number of positions: 5, Color: red

Plug-in bridge - FBS 10-8 - 3030323



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 80.3 mm, Number of positions: 10, Color: red

Plug-in bridge - FBS 6-8 - 3032470



Plug-in bridge, Pitch: 8.2 mm, Length: 3 mm, Width: 47.5 mm, Number of positions: 6, Color: red

Plug-in bridge - FBS 2-8 CT - 3033830



Plug-in bridge, Pitch: 8.2 mm, Length: 29.6 mm, Width: 14.7 mm, Number of positions: 2, Color: orange

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

Plug-in bridge - FBS 3-8 CT - 3033831



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 3, Color: orange

Plug-in bridge - FBS 4-8 CT - 3033832



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 4, Color: orange

Plug-in bridge - FBS 10-8 CT - 3033833



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 10, Color: orange

Plug-in bridge - FBS 2-8 BU - 3032567



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 2, Color: blue

Plug-in bridge - FBS 3-8 BU - 3032570



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 3, Color: blue

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

Plug-in bridge - FBS 4-8 BU - 3032583



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 4, Color: blue

Plug-in bridge - FBS 5-8 BU - 3032596



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 5, Color: blue

Plug-in bridge - FBS 6-8 BU - 3032677



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 6, Color: blue

Plug-in bridge - FBS 10-8 BU - 3032606



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 10, Color: blue

Plug-in bridge - FBS 2-8 GY - 3032621



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 2, Color: gray

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

Plug-in bridge - FBS 3-8 GY - 3032622



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 3, Color: gray

Plug-in bridge - FBS 4-8 GY - 3032635



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 4, Color: gray

Plug-in bridge - FBS 5-8 GY - 3032648



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 5, Color: gray

Plug-in bridge - FBS 6-8 GY - 3032664



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 6, Color: gray

Plug-in bridge - FBS 10-8 GY - 3032651



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 10, Color: gray

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

Plug-in bridge - FBSR 2-8 - 3033808



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 2, Color: red

Plug-in bridge - FBSR 3-8 - 3001597



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 3, Color: red

Plug-in bridge - FBSR 4-8 - 3000585



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 4, Color: red

Plug-in bridge - FBSR 5-8 - 3033809



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 5, Color: red

Plug-in bridge - FBSR 10-8 - 3001599



Plug-in bridge, Pitch: 8.2 mm, Number of positions: 10, Color: red

Partition plate

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Accessories

Partition plate - ATP-ST 6 - 3024481



Partition plate, Length: 73.5 mm, Width: 2 mm, Height: 47.2 mm, Color: gray

Reducing bridge

Reducing bridge - RB ST 6-(2,5/4) - 3030860



Reducing bridge, Pitch: 9 mm, Number of positions: 2, Color: red

Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Short-circuit connector

Short-circuit connector - FBSRH 2-8 - 3033802



Short-circuit connector, Pitch: 8.2 mm, Number of positions: 2, Color: red

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

Short-circuit connector - FBSRH 3-8 - 3033803



Short-circuit connector, Pitch: 8.2 mm, Number of positions: 3, Color: red

Short-circuit connector - FBSRH 4-8 - 3033804



Short-circuit connector, Pitch: 8.2 mm, Number of positions: 4, Color: red

Switching jumper

Switching jumper - SB-MER 2-8 - 3000587



Switching jumper, Pitch: 8.2 mm, Length: 24.7 mm, Width: 16.4 mm, Number of positions: 2, Color: gray/orange

Switching jumper - SB-MER 3-8 - 3000588



Switching jumper, Pitch: 8.2 mm, Length: 24.7 mm, Width: 24.6 mm, Number of positions: 3, Color: gray/orange

Switching jumper - SB-MER 4-8 - 3000589



Switching jumper, Pitch: 8.2 mm, Length: 24.7 mm, Width: 32.8 mm, Number of positions: 4, Color: gray/orange

Spring cage ground terminal block - STS 6-PE - 3038147

Accessories

Test socket

Test adapter - PAI-4-N GY - 3032871



4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch