

ST 4/ 2P - Feed-through terminal block

3042735

<https://www.phoenixcontact.com/us/products/3042735>



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Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, connection method: Plug-in connection, Rated cross section: 4 mm², 1st level connection left, cross section: 0.08 mm² - 6 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Connection with standard COMBI plugs
- Tested for railway applications

Commercial data

Item number	3042735
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2141
GTIN	4046356055307
Weight per piece (including packing)	7.38 g
Weight per piece (excluding packing)	7.32 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Notes

General	Current and voltage are determined by the plug used.
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Product properties

Product type	Plug-in terminal block
Product family	ST
Area of application	Railway industry
	Machine building
	Plant engineering
Number of connections	2
Number of rows	1
Potentials	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

Number of connections per level	2
Nominal cross section	4 mm ²

1st level connection left	
Connection method	Plug-in connection
Connection in acc. with standard	IEC 61984
Conductor cross-section rigid	0.08 mm ² ... 6 mm ²
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.08 mm ² ... 4 mm ²
Conductor cross-section, flexible [AWG]	28 ... 12 (converted acc. to IEC)
Conductor cross-section flexible ultrasound-compressed	0.34 mm ² ... 6 mm ²
Conductor cross-section, flexible [AWG] ultrasound-compressed	22 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross-section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	32 A
Maximum load current	32 A
Nominal voltage	800 V
Nominal cross section	4 mm ²

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Dimensions

Dimensional drawing	
Width	6.2 mm
End cover width	2.2 mm
Height	55.9 mm
Depth on NS 35/7.5	36.5 mm
Depth on NS 35/15	44 mm

Material specifications

Color	gray (RAL 7042)
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))	130 °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)	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

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-60 °C ... 100 °C (max. operating temperature range including self-heating, see derating curve)
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 (operation)	20 % ... 90 %

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Permissible humidity (storage/transport)

30 % ... 70 %

Standards and regulations

Connection in acc. with standard

IEC 61984

Mounting

Mounting type

NS 35/7,5

NS 35/15

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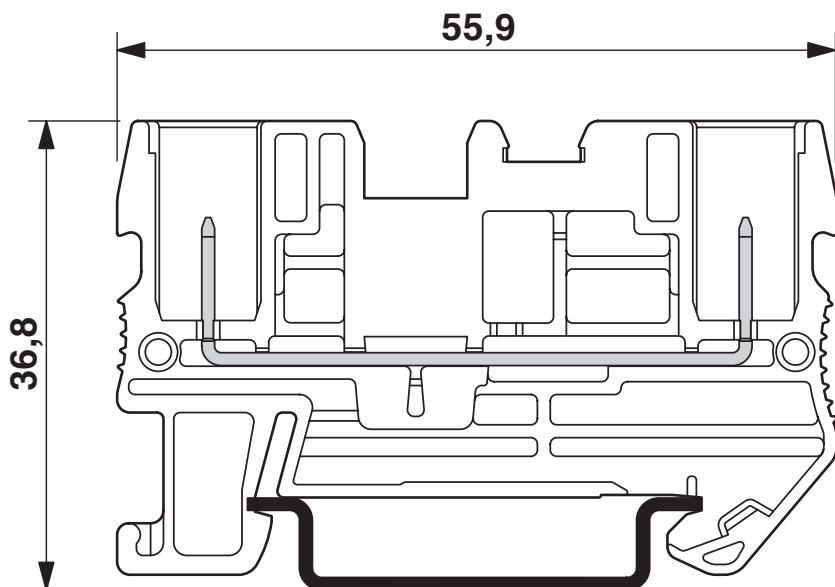


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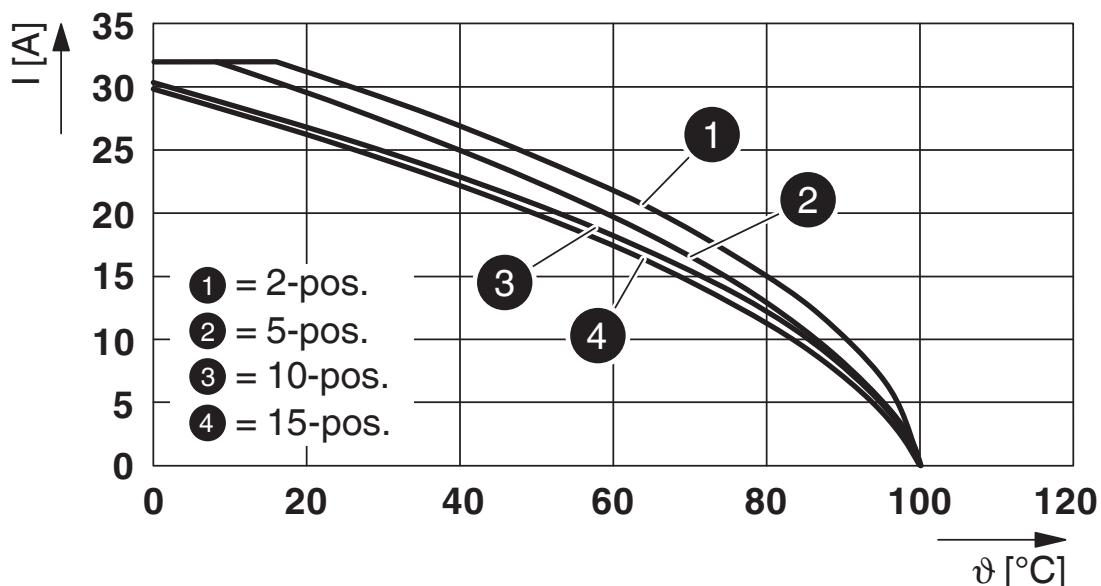
Drawings

Dimensional drawing



The figure shows the terminal with the plug version SP 4/...

Diagram



Derating curve for spring-cage terminals ST 4/1P.. and ST 4/2P.. with all plug versions SP 4/.... The derating curves are determined by multiplying the values of the base curves by the factor 0.8.

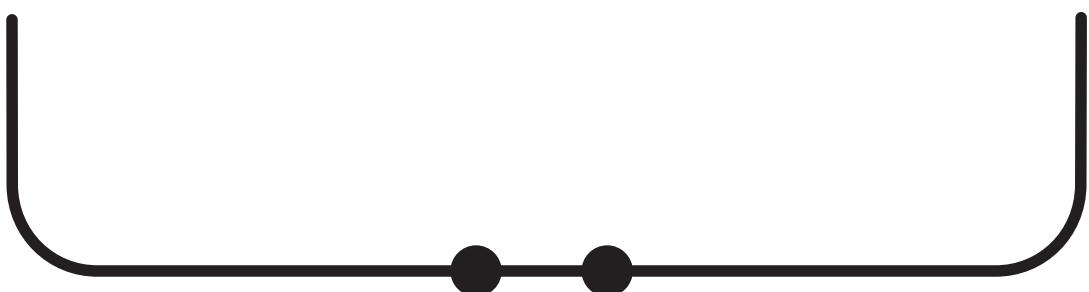
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Circuit diagram



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Approvals

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IECEE CB Scheme		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine					
Current depends on number of positions	800 V	-	-	-	-

EAC					
Approval ID: RU C-DE.BL08.B.00644					

VDE Zeichengenehmigung		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine					
Current depends on number of positions	800 V	-	-	-	-

EAC					
Approval ID: KZ7500651131219505					

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Classifications

ECLASS

ECLASS-13.0	27250117
ECLASS-15.0	27250117

ETIM

ETIM 9.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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