

ST 4/ 2P - Feed-through terminal block



3042735

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

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.



Feed-through terminal block, nom. voltage: 800 V, nominal current: 32 A, number of connections: 2, connection method: Plug-in connection, 1st level connection left, Rated cross section: 4 mm², 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	BE2
Product key	BE2141
Catalog page	Page 325 (C-1-2019)
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

ST 4/ 2P - Feed-through terminal block



3042735

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

Technical data

Notes

General	Current and voltage are determined by the plug used.
---------	--

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 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 (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

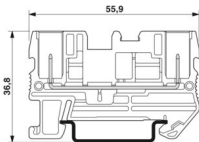
Dimensions

ST 4/ 2P - Feed-through terminal block



3042735

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

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
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 (max. operating temperature see derating curve)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, no longer than 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 %
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

ST 4/ 2P - Feed-through terminal block



3042735

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

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

Mounting

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

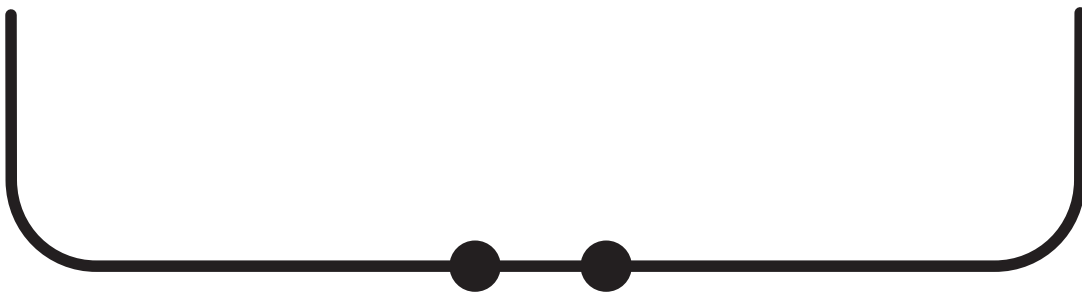
ST 4/ 2P - Feed-through terminal block

3042735

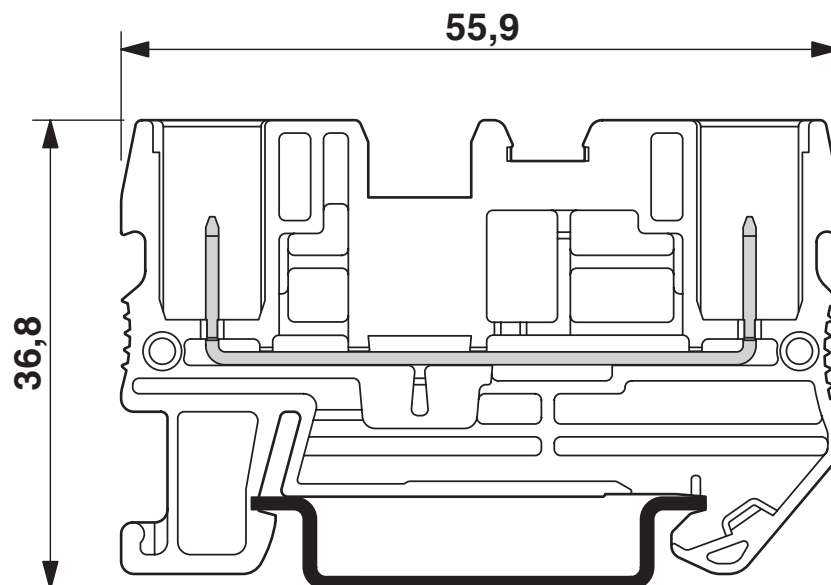
<https://www.phoenixcontact.com/ae/products/3042735>

Drawings

Circuit diagram



Dimensional drawing



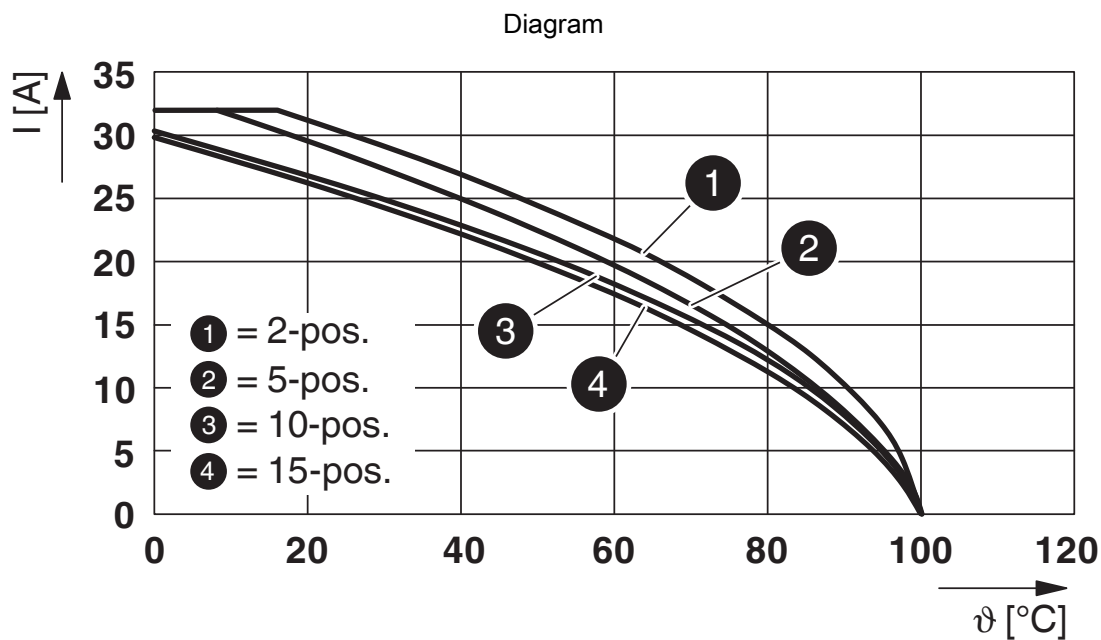
The figure shows the terminal with the plug version SP 4/...

ST 4/ 2P - Feed-through terminal block



3042735

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



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.

ST 4/ 2P - Feed-through terminal block



3042735

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

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ae/products/3042735>

IECEE CB Scheme Approval ID: DE1-62736/B1/B2				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Current depends on number of positions	800 V	-	-	-

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

VDE Zeichengenehmigung Approval ID: 40019518				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Current depends on number of positions	800 V	-	-	-

ST 4/ 2P - Feed-through terminal block



3042735

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

Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250117

ETIM

ETIM 9.0	EC000897
----------	----------

UNSPSC

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

ST 4/ 2P - Feed-through terminal block



3042735

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

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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%

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Middle East FZ LLC
1201N-1206N, Dubai Science Park Towers – North
P.O. Box 345002, Dubai, United Arab Emirates
(+971) 4 437-0324
info-me@phoenixcontact.com