

# Feed-through terminal block - ST 2,5 BU - 3031225

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Feed-through terminal block, Connection method: Spring-cage connection, Cross section: 0.08 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 28 - 12, Width: 5.2 mm, Color: blue, Mounting type: NS 35/7,5, NS 35/15

## Product Features

- As well as saving space, the compact design and front connection enable user-friendly wiring in a small amount of space
- Tested for railway applications
- The consistent double function shaft offers every opportunity for time-saving potential distribution and accommodating test accessories
- The large wiring space enables the use of conductors with ferrules and plastic collars within the nominal cross section



## Key commercial data

package_quantity	50
GTIN	4017918186739

## Technical data

### General

Number of levels	1
Number of connections	2
Color	blue
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
Area of application	Mechanical engineering
Area of application	Plant engineering
Area of application	Process industry

### General

Maximum load current	31 A (with 4 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1

## Feed-through terminal block - ST 2,5 BU - 3031225

### Technical data

#### General

Nominal current $I_N$	24 A (For 2.5 mm <sup>2</sup> )
Nominal voltage $U_N$	800 V
Open side panel	ja

#### Dimensions

Width	5.2 mm
Length	48.5 mm
Height NS 35/7,5	36.5 mm
Height NS 35/15	44 mm

#### Connection data

Conductor cross section solid min.	0.08 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded min.	0.08 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	28
Max. AWG conductor cross section, stranded	14
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm <sup>2</sup>
Connection method	Spring-cage connection
Minimum stripping length	8 mm
Maximum stripping length	10 mm
Internal cylindrical gage	A3

### classifications

#### eCl@ss

eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

# Feed-through terminal block - ST 2,5 BU - 3031225

## classifications

### ETIM

<b>ETIM 2.0</b>	EC000897
<b>ETIM 3.0</b>	EC000897
<b>ETIM 4.0</b>	EC000897
<b>ETIM 5.0</b>	EC000897

### UNSPSC


<b>UNSPSC 6.01</b>	30211811
<b>UNSPSC 7.0901</b>	39121410
<b>UNSPSC 11</b>	39121410
<b>UNSPSC 12.01</b>	39121410
<b>UNSPSC 13.2</b>	39121410


## approvals

IECEX / ATEX / UL Recognized / cUL Recognized / GOST / LR / GL / BV / DNV / ABS / KR / NK / GOST / VDE Gutachten mit Fertigungsüberwachung / IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / cULus Recognized /

### Approval details

<b>IECEX</b>	
Nominal voltage UN	550 V
Nominal current IN	21 A
mm <sup>2</sup> /AWG/kcmil	0.08-2.5

<b>ATEX</b> 	
Nominal voltage UN	550 V
Nominal current IN	27 A
mm <sup>2</sup> /AWG/kcmil	0.08-4

<b>UL Recognized</b> 		
<b>Usegroups</b>	<b>B</b>	<b>C</b>
Nominal voltage UN	600 V	600 V
Nominal current IN	20 A	20 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12

# Feed-through terminal block - ST 2,5 BU - 3031225

approvals

<b>cUL Recognized</b>		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	20 A	20 A
mm <sup>2</sup> /AWG/kcmil	28-12	28-12

<b>GOST</b>
-------------

<b>LR</b>
-----------

<b>GL</b>	
Nominal voltage UN	800 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	2.5

<b>BV</b>
-----------

<b>DNV</b>
------------

<b>ABS</b>	
Nominal voltage UN	600 V
Nominal current IN	20 A
mm <sup>2</sup> /AWG/kcmil	26-12

<b>KR</b>
-----------

<b>NK</b>
-----------

--

<b>VDE Gutachten mit Fertigungsüberwachung</b>
--

# Feed-through terminal block - ST 2,5 BU - 3031225

## approvals

Nominal voltage UN	800 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

**IECEE CB Scheme**

Nominal voltage UN	800 V
Nominal current IN	
mm <sup>2</sup> /AWG/kcmil	2.5

Nominal voltage UN	800 V
Nominal current IN	24 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

**cULus Recognized**

## accessories

### End cover

D-ST 2,5 - 3030417



D-ST 2,5-0,8 OG - 3030511



## Feed-through terminal block - ST 2,5 BU - 3031225

accessories

DP PS-5 - 3036725



---

### Test plug terminal block

RPS - 0201647



---

MPS-MT - 0201744



---

PAI-4-FIX-5/6 BU - 3035975



---

PAI-4-FIX-5/6 OG - 3035974



## Feed-through terminal block - ST 2,5 BU - 3031225

### accessories

PAI-4-FIX-5/6 YE - 3035977



PAI-4-FIX-5/6 RD - 3035976



PAI-4-FIX-5/6 GN - 3035978



PAI-4-FIX-5/6 BK - 3035980



PAI-4-FIX-5/6 GY - 3035982



PAI-4-FIX-5/6 VT - 3035979



## Feed-through terminal block - ST 2,5 BU - 3031225

### accessories

---

PAI-4-FIX-5/6 BN - 3035981



PS-5 - 3030983



PS-5/2,3MM RD - 3038723



### Partition plate

ATP-ST 4 - 3030721



### Screwdriver tools

SZF 1-0,6X3,5 - 1204517



### Labeled terminal marker



## Feed-through terminal block - ST 2,5 BU - 3031225

accessories

WST 2,5 - 3030941



ZB 5 CUS - 0824962



UC-TM 5 CUS - 0824581



UCT-TM 5 CUS - 0829595



ZBF 5 CUS - 0825025



UC-TMF 5 CUS - 0824638



# Feed-through terminal block - ST 2,5 BU - 3031225

accessories

---

UCT-TMF 5 CUS - 0829658



---

## Documentation

ST-IL - 3039900



---

## Bridge

FBS 20-5 - 3030226



---

FBS 10-5 - 3030213



---

FBS 5-5 - 3030190



## Feed-through terminal block - ST 2,5 BU - 3031225

### accessories

FBS 4-5 - 3030187



FBS 3-5 - 3030174



FBS 2-5 - 3030161



RB ST (2,5/4)-1,5 - 3038943



### Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



## Feed-through terminal block - ST 2,5 BU - 3031225

### accessories

NS 35/ 7,5 UNPERF 2000MM - 0801681



---

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



---

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



---

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



---

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



---

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



## Feed-through terminal block - ST 2,5 BU - 3031225

accessories

---

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



NS 35/ 7,5 CAP - 1206560



NS 35/15 PERF 2000MM - 1201730



NS 35/15 UNPERF 2000MM - 1201714



NS 35/15 WH PERF 2000MM - 0806602



## Feed-through terminal block - ST 2,5 BU - 3031225

### accessories

NS 35/15 WH UNPERF 2000MM - 1204135



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 ZN PERF 2000MM - 1206599



NS 35/15 ZN UNPERF 2000MM - 1206586



NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15 CAP - 1206573



# Feed-through terminal block - ST 2,5 BU - 3031225

accessories

---

NS 35/15-2,3 UNPERF 2000MM - 1201798



---

## Terminal marking

ZB 5 :UNBEDRUCKT - 1050004



---

UC-TM 5 - 0818108



---

UCT-TM 5 - 0828734



---

ZBF 5:UNBEDRUCKT - 0808642



## Feed-through terminal block - ST 2,5 BU - 3031225

accessories

UC-TMF 5 - 0818153



UCT-TMF 5 - 0828744



### Insulating sleeve

MPS-IH WH - 0201663



MPS-IH RD - 0201676



MPS-IH BU - 0201689





## Feed-through terminal block - ST 2,5 BU - 3031225

### accessories

MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



ISH 2,5/0,2 - 3002843



ISH 2,5/0,5 - 3002856



## Feed-through terminal block - ST 2,5 BU - 3031225

accessories

---

ISH 2,5/1,0 - 3002869



### End block

CLIPFIX 35 - 3022218



CLIPFIX 35-5 - 3022276



E/NS 35 N - 0800886



E/UK - 1201442



# Feed-through terminal block - ST 2,5 BU - 3031225

accessories

E/UK 1 - 1201413



---

## Drawings

Circuit diagram



© Phoenix Contact 2013 - all rights reserved  
<http://www.phoenixcontact.com>