

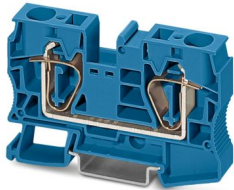
# ST 16 BU - Feed-through terminal block



3036152

<https://www.phoenixcontact.com/us/products/3036152>

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: 1000 V, nominal current: 76 A, number of connections: 2, connection method: Spring-cage connection, Rated cross section: 16 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 25 mm<sup>2</sup>, mounting type: NS 35/7,5, NS 35/15, color: blue

## Your advantages

- Simple wiring of very small, flexible conductors
- Enables one-handed wiring
- No restriction on cross-sections when using conductors with ferrules
- Reliable vibration resistance thanks to spring-loaded contact elements
- Vibration-resistant and maintenance-free conductor connection
- Full flexibility thanks to the standardized CLIPLINE complete bridging, marking, and testing accessories

## Commercial data

Item number	3036152
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE02
Product key	BE2111
GTIN	4017918821081
Weight per piece (including packing)	37.36 g
Weight per piece (excluding packing)	37.36 g
Customs tariff number	85369010
Country of origin	PL

# ST 16 BU - Feed-through terminal block



3036152

<https://www.phoenixcontact.com/us/products/3036152>

## Technical data

### Product properties

Product type	Feed-through terminal block
Product family	ST
Number of connections	2
Number of rows	1
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	2.43 W

### Connection data

Number of connections per level	2
Nominal cross section	16 mm <sup>2</sup>
Connection method	Spring-cage connection
Stripping length	18 mm
Internal cylindrical gage	A7 B6
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Cross section AWG	24 ... 4 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 6 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 16 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Nominal cross section	16 mm <sup>2</sup>
Nominal current	76 A
Maximum load current	90 A (with 25 mm <sup>2</sup> conductor cross-section)
Nominal voltage	1000 V

### Ex data

#### Rated data (ATEX/IECEx)

Identification	Ⓔ II 2 GD Ex eb IIC Gb
Operating temperature range	-60 °C ... 85 °C
Ex-certified accessories	3036657 D-ST 16 1206612 SZF 3-1,0X5,5

# ST 16 BU - Feed-through terminal block



3036152

<https://www.phoenixcontact.com/us/products/3036152>

	3022276 CLIPFIX 35-5
	3022218 CLIPFIX 35
List of bridges	Plug-in bridge / FBS 2-12 / 3005950
Bridge data	60 A (16 mm <sup>2</sup> )
Ex temperature increase for bridging with bridge	40 K (71.3 A / 16 mm <sup>2</sup> )
Rated insulation voltage	550 V
output	(Permanent)

## Ex level General

Rated voltage	550 V
Rated current	64.5 A
Maximum load current	81.5 A
Contact resistance	0.34 mΩ

## Ex connection data General

Nominal cross section	16 mm <sup>2</sup>
Rated cross section AWG	6
Connection capacity rigid	1.5 mm <sup>2</sup> ... 25 mm <sup>2</sup>
Connection capacity AWG	16 ... 4
Connection capacity flexible	1.5 mm <sup>2</sup> ... 16 mm <sup>2</sup>
Connection capacity AWG	16 ... 6

## Dimensions

Width	12.2 mm
End cover width	2.2 mm
Height	80 mm
Depth on NS 35/7,5	51.5 mm
Depth on NS 35/15	59 mm

## Material specifications

Color	blue (RAL 5015)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °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
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

# ST 16 BU - Feed-through terminal block



3036152

<https://www.phoenixcontact.com/us/products/3036152>

## Mechanical properties

### Mechanical data

Open side panel	Yes
-----------------	-----

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see 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 (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
----------------------------------	---------------

## Mounting

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

# ST 16 BU - Feed-through terminal block

3036152

<https://www.phoenixcontact.com/us/products/3036152>



## Drawings

### Circuit diagram



# ST 16 BU - Feed-through terminal block





3036152

<https://www.phoenixcontact.com/us/products/3036152>


## Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3036152>

 <b>CSA</b> Approval ID: 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B	600 V	85 A	16 - 4	-
C	600 V	85 A	16 - 4	-


 <b>IECEE CB Scheme</b> Approval ID: DE1-62791				
--	--	--	--	--

 <b>KR</b> Approval ID: HMB17372-EL002				
--	--	--	--	--

 <b>NK</b> Approval ID: 09 ME 140				
---	--	--	--	--

 <b>VDE Zeichengenehmigung</b> Approval ID: 40009030				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine	1000 V	76 A	-	1.5 - 16

<b>DNV</b> Approval ID: TAE00001CS				
---------------------------------------	--	--	--	--

 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B	600 V	85 A	16 - 4	-
C	600 V	85 A	16 - 4	-

 <b>ATEX</b> Approval ID: KEMA01ATEX2260U				
---	--	--	--	--

# ST 16 BU - Feed-through terminal block



3036152

<https://www.phoenixcontact.com/us/products/3036152>



**IECEX**

Approval ID: IECEX KEM 06.0033U



**CCC**

Approval ID: 2020322313000621



**UKCA-EX**

Approval ID: DEKRA 21 UKEX0303U



**EAC Ex**

Approval ID: KZ 7500525010101950

# ST 16 BU - Feed-through terminal block



3036152

<https://www.phoenixcontact.com/us/products/3036152>

## Classifications

### ECLASS

ECLASS-13.0	27250101
ECLASS-15.0	27250101

### ETIM

ETIM 10.0	EC000897
-----------	----------

### UNSPSC

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

# ST 16 BU - Feed-through terminal block



3036152

<https://www.phoenixcontact.com/us/products/3036152>

## 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	0.184 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)