

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://phoenixcontact.com/download)



Component terminal block, for installing components that can be individually selected, Connection method: Screw connection, Cross section: 0.14 mm² - 6 mm², AWG: 26 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

The figure shows a version of the article

### Why buy this product

- Since there are two function shafts per level, all potential distribution tasks can be implemented quickly
- As an option, the levels can be connected using the FBS-PV UT vertical bridge
- For a clear overview, each terminal point supports large-surface labeling
- Tested for railway applications
- For example, two separate potentials can by routed side by side with the help of bridging between non-adjacent terminal blocks



### **Key Commercial Data**

Packing unit	50 STK		
GTIN	4 0 4 6 3 5 6 4 1 1 2 3 3		
GTIN	4046356411233		

### Technical data

#### General

Number of levels	2
Number of connections	4
Nominal cross section	4 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry



### Technical data

### General

Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	1
Connection in acc. with standard	IEC 60947-7-1
Nominal current I <sub>N</sub>	30 A
Maximum load current	36 A (with 6 mm² conductor cross section)
Nominal voltage U <sub>N</sub>	800 V
Open side panel	Yes
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
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	6.2 mm
Length	69.9 mm
Height NS 35/7,5	65 mm
Height NS 35/15	72.5 mm

### Connection data

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	6 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm²



### Technical data

### Connection data

Conductor cross section flexible, with ferrule with plastic sleeve max. 4 mm²  2 conductors with same cross section, solid min. 0.14 mm²  2 conductors with same cross section, solid max. 1.5 mm²  2 conductors with same cross section, stranded min. 0.14 mm²  2 conductors with same cross section, stranded min. 0.14 mm²  2 conductors with same cross section, stranded max. 1.5 mm²  2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. 0.14 mm²  2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. 1.5 mm²  2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 0.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 0.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 0.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 0.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 4.5 mm²  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 0.5 mm²  3 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 0.5 mm²  4 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 0.5 mm²  5 crow tonnection method Screw connection Mina Mina Mina Mina Mina Mina Mina Min		
2 conductors with same cross section, solid min. 2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded min. 3 conductors with same cross section, stranded min. 4 conductors with same cross section, stranded max. 5 conductors with same cross section, stranded, ferrules without plastic sleeve, min. 5 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 6 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 7 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 8 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 9 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, max. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, max. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrules with sleeve, min. 9 conductors with same cross section, stranded, TWIN ferrul	Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 1.5 mm² 2 conductors with same cross section, stranded max. 1.5 mm² 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. Connection method Screw connection Stripping length 9 mm Internal cylindrical gage A4 Screw thread M3 Tightening torque, min 1.5 mm² 0.14 mm² 0.14 mm² 0.15 mm² 0.5 mm² 0.5 mm² 0.5 mm² 0.5 mm² 0.6 Nm	Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm²
2 conductors with same cross section, stranded min. 2 conductors with same cross section, stranded max. 1.5 mm² 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. 4 connection method 5 crew connection 5 tripping length 9 mm 1 Internal cylindrical gage A4 5 crew thread M3 Tightening torque, min 0 .6 Nm	2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, stranded max.  2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.  2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.  2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Connection method  Screw connection  Stripping length  9 mm  Internal cylindrical gage  A4  Screw thread  M3  Tightening torque, min  1.5 mm²  0.14 mm²  1.5 mm²  1.5 mm²  1.5 mm²  1.5 mm²  4.4  5.6 mm²  2.6 mm²  2.6 mm²  4.4  5.7 mm²  4.4  5.8 mm²  4.9 mm  4.0 mm	2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.  2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Connection method  Screw connection  Stripping length  Internal cylindrical gage  A4  Screw thread  M3  Tightening torque, min  O.14 mm²  0.15 mm²  0.5 mm²  2.5 mm²  2.5 mm²  A4  Screw connection  M3  O.6 Nm	2 conductors with same cross section, stranded min.	0.14 mm²
sleeve, min.  2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Connection method  Screw connection  Stripping length  Internal cylindrical gage  A4  Screw thread  M3  Tightening torque, min  O.14 mm²  1.5 mm²  1.5 mm²  2.5 mm²  2.5 mm²  4.5 mm²  2.5 mm²  2.6 mm²  2.7 mm²  2.7 mm²  3 mm²  4 mm²  4 mm²  4 mm²  5 mm²  5 mm²  6 mm²  7 mm²  6 mm²  7 mm²  7 mm²  7 mm²  8 mm²  9 mm  9 mm  1 mternal cylindrical gage  A4  Screw thread  M3  Tightening torque, min	2 conductors with same cross section, stranded max.	1.5 mm²
sleeve, max.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Connection method  Screw connection  Stripping length  Internal cylindrical gage  A4  Screw thread  M3  Tightening torque, min  1.5 mm²  0.5 mm²  2.5 mm²  2.5 mm²  A4  Screw connection  M3  0.6 Nm	, , , , , , , , , , , , , , , , , , ,	0.14 mm²
plastic sleeve, min.  2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.  Connection method  Stripping length  Internal cylindrical gage  A4  Screw thread  M3  Tightening torque, min  O.5 mm²  2.5 mm²  2.5 mm²  A2  Screw connection  9 mm  M3  O.6 Nm		1.5 mm²
plastic sleeve, max.  Connection method  Screw connection  Stripping length  9 mm  Internal cylindrical gage  A4  Screw thread  M3  Tightening torque, min  2.5 mm²  A4  Screw connection  9 mm  0.6 Nm		0.5 mm²
Stripping length 9 mm Internal cylindrical gage A4 Screw thread M3 Tightening torque, min 0.6 Nm	· · · · · · · · · · · · · · · · · · ·	2.5 mm²
Internal cylindrical gage A4 Screw thread M3 Tightening torque, min 0.6 Nm	Connection method	Screw connection
Screw thread M3 Tightening torque, min 0.6 Nm	Stripping length	9 mm
Tightening torque, min 0.6 Nm	Internal cylindrical gage	A4
	Screw thread	M3
Tightening torque max 0.8 Nm	Tightening torque, min	0.6 Nm
	Tightening torque max	0.8 Nm

### Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
Flammability rating according to UL 94	V0

### **Environmental Product Compliance**

China RoHS	Environmentally Friendly Use Period = 50		
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"		

### **Drawings**

<u> </u>	• •				
Circu	пt	dı	മന	ra	m
	AIL.	u	αч	ıu	

0---0

O •••

^					ı _
А	n	n	ro	va	IS

Approvals

Approvals

EAC



### Approvals

Ex Approvals

### Approval details

EAC EAC-Zulassung

Phoenix Contact 2017 © - all rights reserved http://www.phoenixcontact.com

PHOENIX CONTACT GmbH & Co. KG Flachsmarktstr. 8 32825 Blomberg Germany

Tel. +49 5235 300 Fax +49 5235 3 41200

http://www.phoenixcontact.com