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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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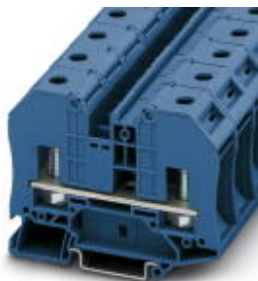
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## Bolt connection terminal block - RT 8 BU - 3049148

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Feed-through terminal block with bolt connection method, cross section: 2.5 - 35 mm<sup>2</sup>, AWG: 14 - 2, width 20.2 mm, color: blue

### Why buy this product

- ✓ The special clamping nuts can be actuated with a normal screwdriver
- ✓ Quick and easy connection thanks to hinged cover flaps which hold the clamping nuts captive. When the flaps are open, the connection bolt is freely accessible and the cable lugs can be hooked in; after closing and engaging the flaps
- ✓ The screws are secured against loosening by captive spring-loaded spacers
- ✓ Easy bridging and potential distribution using the patented plug-in bridges from the CLIPLINE complete system
- ✓ Large-surface labeling options in the terminal center and above the terminal points
- ✓ The use of the switching lock effectively prevents unintentional switching
- ✓ Testing with the standardized test adapters and test plugs of the CLIPLINE complete system
- ✓ The hinged cover cover the live metal parts including the insulated cable lugs in the clamping area so that they are touch proof
- ✓ Tested for railway applications



### Key Commercial Data

Packing unit	25 STK
GTIN	 4 046356 284677
GTIN	4046356284677

### Technical data

#### General

Note	Note: the BE-RT... path extension is to be used for non-insulated cable lugs (see accessories).
Number of positions	1
Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	35 mm <sup>2</sup>

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## Technical data

### General

Color	blue
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	4.06 W
Maximum load current	125 A (with 35 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	125 A
Nominal voltage U <sub>N</sub>	1000 V (Rated voltage for open disconnect point 500 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))	130 °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)	28 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	20.3 mm
End cover width	2.2 mm
Length	84 mm
Height NS 35/7,5	63.8 mm
Height NS 35/15	71.3 mm

### Connection data

# Bolt connection terminal block - RT 8 BU - 3049148

## Technical data

### Connection data

Note	Connection bolts
Connection method	Bolt connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible min.	2.5 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	14
Max. AWG conductor cross section, flexible	2
Cable lug connection according to standard	DIN 46234
Min. cross section for cable lug connection	2.5 mm <sup>2</sup>
Max. cross section for cable lug connection	35 mm <sup>2</sup>
Hole diameter, min.	8.4 mm
Cable lug width, max.	16 mm
Bolt diameter	8 mm
Cable lug connection according to standard	DIN 46235
Hole diameter, min.	8.4 mm
Cable lug width, max.	14 mm
Bolt diameter	8 mm
Cable lug connection according to standard	DIN 46237
Min. cross section for cable lug connection	2.5 mm <sup>2</sup>
Max. cross section for cable lug connection	6 mm <sup>2</sup>
Hole diameter, min.	8.4 mm
Cable lug width, max.	14 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	4.5 Nm
Tightening torque max	5 Nm

### Standards and Regulations

Connection in acc. with standard	CUL
	IEC 60947-7-1
Flammability rating according to UL 94	V0
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3 HL 1 - HL 3

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

# Bolt connection terminal block - RT 8 BU - 3049148

Circuit diagram



## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / ABS / VDE Zeichengenehmigung / EAC / IECEE CB Scheme / cULus Recognized

#### Ex Approvals

ATEX / IECEx / EAC Ex

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
		B	C
Nominal voltage UN		600 V	600 V
Nominal current IN		130 A	130 A

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
		B	C
Nominal voltage UN		600 V	600 V
Nominal current IN		130 A	130 A


ABS		<a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>	10-HG580261-PDA
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VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40022553
Nominal voltage UN		1000 V	
Nominal current IN		125 A	
mm <sup>2</sup> /AWG/kcmil		2.5-35	

## Bolt connection terminal block - RT 8 BU - 3049148

### Approvals

EAC		EAC-Zulassung
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-50525
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>
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