

## Feed-through terminal block - UKH 70 BU - 3244601

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Feed-through terminal block, Connection method: Screw connection, Number of positions: 1, Cross section: 16 mm<sup>2</sup> - 95 mm<sup>2</sup>, AWG: 4 - 3/0, Width: 20.3 mm, Height: 78.3 mm, Color: blue, Mounting type: NS 35/15, NS 32

The illustration shows the version in gray

### Product Features

- Reliable cable connection is ensured by three-point centering of the conductor in the prismatic sleeve base
- Tested for railway applications
- Low contact resistance of the contact surface due to ribbing
- Screw locking by means of spring-loaded elements in the clamping part



### Key commercial data

Packing unit	1 PCE
Custom tariff number	85369010
Country of origin	China

### 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
	Mechanical engineering
	Plant engineering
Maximum load current	192 A (At 70 mm <sup>2</sup> conductor cross section)
Rated surge voltage	8 kV

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## Technical data

### General

Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current $I_N$	192 A
Nominal voltage $U_N$	1000 V
Open side panel	nein
Number of positions	1

### Dimensions

Width	20.3 mm
Length	70.5 mm
Height	78.3 mm
Height NS 35/7,5	80 mm
Height NS 35/15	87.5 mm
Height NS 32	85.5 mm

### Connection data

Note	Note: Product releases, connection cross sections and notes on connecting aluminum cables can be found in the download area.
Conductor cross section solid min.	16 mm <sup>2</sup>
Conductor cross section solid max.	95 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	4
Conductor cross section AWG/kcmil max	3/0
Conductor cross section stranded min.	25 mm <sup>2</sup>
Conductor cross section stranded max.	70 mm <sup>2</sup>
Min. AWG conductor cross section, stranded	3
Max. AWG conductor cross section, stranded	2/0
Conductor cross section stranded, with ferrule without plastic sleeve min.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	70 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	70 mm <sup>2</sup>
2 conductors with same cross section, solid min.	16 mm <sup>2</sup>
2 conductors with same cross section, solid max.	25 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	16 mm <sup>2</sup>

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## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	25 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	24 mm
Internal cylindrical gage	A11
Screw thread	M8
Tightening torque, min	8 Nm
Tightening torque max	10 Nm

## Classifications

### eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
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

### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410

## Approvals

### Approvals

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## Approvals

### Approvals

CSA / UL Recognized / cUL Recognized / VDE Zeichengenehmigung / IECEx CB Scheme / cULus Recognized

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### Ex Approvals


ATEX / ATEX / IECEx


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### Approvals submitted

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## Approval details


CSA 		
	B	C
mm <sup>2</sup> /AWG/kcmil	6	6
Nominal current I <sub>N</sub>	192 A	192 A
Nominal voltage U <sub>N</sub>	600 V	1000 V


UL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	6	6
Nominal current I <sub>N</sub>	192 A	192 A
Nominal voltage U <sub>N</sub>	1000 V	1000 V


cUL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	6	6
Nominal current I <sub>N</sub>	192 A	192 A
Nominal voltage U <sub>N</sub>	1000 V	1000 V

# Feed-through terminal block - UKH 70 BU - 3244601

## Approvals

VDE Zeichengenehmigung 	
Nominal voltage UN	1000 V

IECEE CB Scheme 	
Nominal voltage UN	1000 V

cULus Recognized 	
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## Accessories

### Accessories

#### Bridge

Fixed bridge - FBI 2-20 N - 3213195



Fixed bridge, Number of positions: 2, Color: silver

Fixed bridge - FBI 3-20 N - 3213205



Fixed bridge, Number of positions: 3, Color: silver

#### End block

## Feed-through terminal block - UKH 70 BU - 3244601

### Accessories

End clamp - E/AL-NS 32 - 1201659



End clamp, for end support of UKH 50 - UKH 240, is pushed onto DIN rail NS 32 and fixed with 2 screws, width: 10 mm, color: Aluminum

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End clamp - E/AL-NS 35 - 1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

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### Mounting material

Insertion profile - UKH 50 EP - 3009228



Insertion profile, Color: silver

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### Mounting rail

DIN rail - NS 32 PERF 2000MM - 1201002



G-profile DIN rail, material: Steel, perforated, height 15 mm, width 32 mm, length 2 m

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DIN rail - NS 32 UNPERF 2000MM - 1201015



G-profile DIN rail, material: Steel, unperforated, height 15 mm, width 32 mm, length 2 m

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### Accessories

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DIN rail perforated - NS 35/15 PERF 2000MM - 1201730



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

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DIN rail - NS 35/15 UNPERF 2000MM - 1201714



DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail - NS 35/15 WH PERF 2000MM - 0806602



DIN rail 35 mm (NS 35)

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DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135



DIN rail 35 mm (NS 35)

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DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756



DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

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### Accessories

DIN rail - NS 35/15 ZN PERF 2000MM - 1206599



DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail - NS 35/15 ZN UNPERF 2000MM - 1206586



DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

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DIN rail - NS 35/15 CU UNPERF 2000MM - 1201895



DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

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End cap - NS 35/15 CAP - 1206573



DIN rail end piece, for DIN rail NS 35/15

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### Pick-off terminal block

Pick-off terminal block - AGK 10-UKH 50 - 3001763



Pick-off terminal block, Connection method: Special and hybrid connection, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 10.2 mm, Height: 34.7 mm, Color: gray, Mounting type: On base element

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# Feed-through terminal block - UKH 70 BU - 3244601

## Accessories

Socket spanner

Tool - VDE-ISS 6 - 1201934



Allen wrench, fully insulated, safety tool in accordance with EN 60900, length: 150 mm, handle width: 110 mm, for all terminal blocks with 8 mm Allen screw

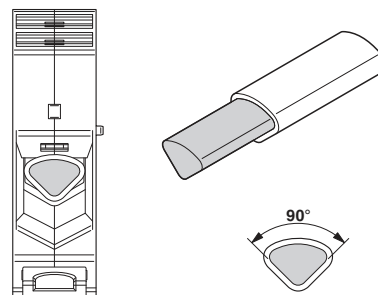
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## Drawings

Circuit diagram



Schematic diagram



Connecting aluminum cables. Further notes can be found in the download area