

## Feed-through terminal block - UK 35 RD - 3048328

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Feed-through terminal block, Connection method: Screw connection, Number of positions: 1, Cross section: 0.75 mm<sup>2</sup> - 50 mm<sup>2</sup>, AWG: 18 - 1/0, Width: 15.1 mm, Color: red, Mounting type: NS 35/7,5, NS 35/15, NS 32

The illustration shows the version in gray

### Why buy this product

- ✓ The large wiring space enables the connection of solid and stranded conductors without ferrules, even above the nominal cross section
- ✓ As well as saving space, the compact design enables user-friendly wiring in a small amount of space
- ✓ Optimum screwdriver guidance through closed screw shafts



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	59.000 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Environmental Product Compliance

China RoHS	No hazardous substances above threshold values
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#### General

Number of positions	1
Number of levels	1
Number of connections	2
Color	red
Insulating material	PA
Flammability rating according to UL 94	V0

## Feed-through terminal block - UK 35 RD - 3048328

### Technical data

#### General

Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum load current	150 A (with 50 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	125 A
Nominal voltage U <sub>N</sub>	1000 V
Open side panel	No
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	15.1 mm
Length	50 mm
Height NS 35/7,5	62 mm
Height NS 35/15	69.5 mm
Height NS 32	67 mm

#### Connection data

Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	50 mm <sup>2</sup>
Conductor cross section AWG min.	18

## Feed-through terminal block - UK 35 RD - 3048328

### Technical data

#### Connection data

Conductor cross section AWG max.	1/0
Conductor cross section flexible min.	0.75 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	18
Max. AWG conductor cross section, flexible	2
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, solid max.	16 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm <sup>2</sup>
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	50 mm <sup>2</sup>
Conductor cross section AWG min.	18
Conductor cross section AWG max.	1
Conductor cross section flexible min.	0.75 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Stripping length	16 mm
Internal cylindrical gage	B9
Screw thread	M6
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm

#### Standards and Regulations

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

## Feed-through terminal block - UK 35 RD - 3048328

### 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
eCl@ss 9.0	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

CSA / UL Recognized / KEMA-KEUR / RS / PRS / KR / NK / CCA / IECEx CB Scheme / cUL Recognized / EAC / GL / cULus Recognized

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##### Ex Approvals


IECEx / ATEX / UL Recognized / cUL Recognized / EAC Ex / GL / cULus Recognized

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#### Approval details

# Feed-through terminal block - UK 35 RD - 3048328


## Approvals

CSA  <http://www.csagroup.org/us/en/services/testing-and-certification/certified-product-listing-13631>

	B	C
mm <sup>2</sup> /AWG/kcmil	18-1/0	18-1/0
Nominal current IN	150 A	150 A
Nominal voltage UN	600 V	600 V

UL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 60425

	B	C
mm <sup>2</sup> /AWG/kcmil	18-1/0	18-1/0
Nominal current IN	150 A	150 A
Nominal voltage UN	600 V	600 V

KEMA-KEUR  <http://www.dekra-certification.com> 2183462.02

mm <sup>2</sup> /AWG/kcmil	35
Nominal voltage UN	1000 V

RS <http://www.rs-head.spb.ru/en/index.php> 10.04059.250

PRS <http://www.prs.pl/> TE/1824/880590/09

KR <http://www.krs.co.kr/eng/index.html> HMB17372-EL001


NK <http://www.classnk.or.jp/hp/en> 09 ME 141


CCA NTR-NL 4264

mm <sup>2</sup> /AWG/kcmil	35

# Feed-through terminal block - UK 35 RD - 3048328


## Approvals

IECEE CB Scheme  <a href="http://www.iecee.org/NL-26111">http://www.iecee.org/NL-26111</a>	
mm <sup>2</sup> /AWG/kcmil	35
Nominal voltage UN	1000 V

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
mm <sup>2</sup> /AWG/kcmil	18-1/0	18-1/0
Nominal current IN	150 A	150 A
Nominal voltage UN	600 V	600 V

EAC EAC-Zulassung

GL <http://www.gl-group.com/newbuilding/approvals/index.html> 9887396 HH

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

## Accessories

### Accessories

#### Cover profile

Cover profile - EA 11 - 1024263



Single cover, for covering one terminal block, snap fit, cannot be labeled, color: transparent

### DIN rail

## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

DIN rail perforated - 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, unperforated - 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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DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

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DIN rail, unperforated - NS 35/ 7,5 UNPERF 2000MM - 0801681



DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail 35 mm (NS 35)

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## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

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



DIN rail 35 mm (NS 35)

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



DIN rail, unperforated, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver

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



DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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



DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

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## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

End cap - NS 35/ 7,5 CAP - 1206560

DIN rail end piece, for DIN rail NS 35/7.5



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

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



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

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



DIN rail 35 mm (NS 35)

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



DIN rail 35 mm (NS 35)

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### Accessories

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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DIN rail perforated - 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, unperforated - 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, unperforated - 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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## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

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



DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

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### End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

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End clamp - CLIPFIX 35-5 - 3022276



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

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End clamp - E/UK - 1201442



End clamp, Width: 9.5 mm, Height: 35.3 mm, Length: 50.5 mm, Color: gray

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## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

End clamp - E/UK 1 - 1201413



End clamps, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray

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### Insertion bridge

Insertion bridge - EB 2-15 - 0203166



Insertion bridge, Pitch: 15.25 mm, Number of positions: 2, Color: gray

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Insertion bridge - EB 10-15 - 0205135



Insertion bridge, Pitch: 15 mm, Number of positions: 10, Color: gray

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Insertion bridge - EB 2-15 K/UK 35 - 0205119



Insertion bridge, Pitch: 15 mm, Number of positions: 2, Color: gray

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Insertion bridge - EB 3-15 K/UK 35 - 0205106



Insertion bridge, Pitch: 15 mm, Number of positions: 3, Color: gray

## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

Insertion bridge - EB 10-15 K/UK 35 - 0205096



Insertion bridge, Pitch: 15 mm, Number of positions: 10, Color: gray

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### Insulating sleeve

Insulating sleeve - PS-IH WH - 0311566



Insulating sleeve, Color: white

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Insulating sleeve - PS-IH RD - 0311579



Insulating sleeve, Color: red

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Insulating sleeve - PS-IH BU - 0311582



Insulating sleeve, Color: blue

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Insulating sleeve - PS-IH YE - 0311595



Insulating sleeve, Color: yellow

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## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

Insulating sleeve - PS-IH GN - 0311605



Insulating sleeve, Color: green

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Insulating sleeve - PS-IH GY - 0311621



Insulating sleeve, Color: gray

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Insulating sleeve - PS-IH BK - 0311634



Insulating sleeve, Color: black

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Insulating sleeve - PS-IH VT - 0311618



Insulating sleeve, Color: violet

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### Labeled terminal marker

Zack marker strip - ZB 15 CUS - 0824945



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, Mounting type: Snap into tall marker groove, for terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

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## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

Marker for terminal blocks - ZB 15,LGS:L1-N,PE - 0811998



Marker for terminal blocks, Strip, white, labeled, Printed horizontally: L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

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### Partition plate

Separating plate - TS-K - 1302215



Separating plate, Length: 22 mm, Width: 0.5 mm, Height: 22 mm, Color: gray

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Separating plate - TP-UK 35 - 3008096



Separating plate, Length: 50 mm, Width: 7.5 mm, Height: 52 mm, Color: gray

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### Screw bridge

Step bracket - STL 35/10 - 0204084



Step bracket, Number of positions: 2, Color: silver

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Step bracket - STL 35/ 5 - 0204107



Step bracket, Pitch: 5 mm, Number of positions: 2, Color: silver

## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

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Step bracket - STL 35/16 - 0204097



Step bracket, Number of positions: 2, Color: silver

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Fixed bridge - FBI 2-15 - 0201333



Fixed bridge, Pitch: 15 mm, Number of positions: 2, Color: silver

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Fixed bridge - FBI 3-15 - 0201278



Fixed bridge, Pitch: 15 mm, Number of positions: 3, Color: silver

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Fixed bridge - FBI 5-15 - 0711302



Fixed bridge, Pitch: 15 mm, Number of positions: 5, Color: silver

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### Switching jumper

Switching jumper - SBH 2-15 - 0205232



Switching jumper, Pitch: 15 mm, Number of positions: 2, Color: silver

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## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

#### Terminal marking

Zack marker strip - ZB 15:UNBEDRUCKT - 0811972



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 15.2 mm, Lettering field: 10.5 x 15.1 mm

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#### Test plug terminal block

Test plugs - PS-MT - 0311647



Test plugs, Color: silver

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#### Test socket

Female test connector - PSB 6/5/6 - 0205290



Female test connector, Color: silver

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#### Warning label printed

Warning label - WS 5-15 - 1004445



Warning label, Plate, orange, labeled: Lightning flash and warning in English, Mounting type: Screws, rivets, for terminal block width: 15 mm

## Feed-through terminal block - UK 35 RD - 3048328

### Accessories

Warning label - WS 4-15 - 1004241

Warning label, Plate, orange, labeled: Lightning flash and warning in English, Mounting type: Screws, rivets, for terminal block width: 15 mm



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